





Air
Force
Integrated
Readiness
Measurement
System

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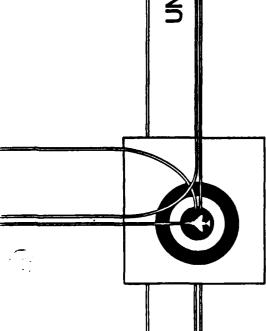
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CONTRACTOR CONTRACTOR



UNITED STATES AIR FORCE



AIR FORCE INTEGRATED READINESS MEASUREMENT SYSTEM

PRODUCT DESCRIPTIONS



Prepared for

UNITED STATES AIR FORCE READINESS ASSESSMENT GROUP (AF/X001M)

Prepared by SOFTECH, INC.

UNDER CONTRACT F49642-83-C-0022

CORL 0003

DISTRIBUTION STATEMENT A

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SECTION I. GENERAL

1.1 Purpose of the Product Descriptions

Readiness Measurement System (AFIRMS), (Contract No. F49642-83-C-0022) are written to:

- .a. Provide a visual description of products that will be implemented on the AFIRMS, 5.4
- b. Cocument the products approved by the Air Force users for AFIRMS implementation.

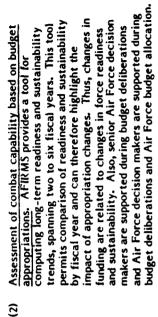
1.2 Introduction to AFIRMS

This section provides a brief introduction to the Air Force Integrated Readiness Measurement System (AFIRMS). A more complete description of AFIRMS is provided in the AFIRMS Functional Description.

1.2.1 Key AFIRMS Concepts

AFIRMS is an automated, tasking based, capability assessment system. As such, AFIRMS evaluates unit and force capability to perform tasked missions based on the availability of specific resources.

- a. The conceptual requirements for AFIRMS are two-fold:
- (1) Assessment of combat capability against specific tasking. The user can assess unit/force combat capability against any planned or ad hoc tasking, e.g., War Mobilization Plan (WMP), Operation Plan (OPlan), Fragmentary Order, Air Tasking Order (ATO), Contingency Plan, etc.



b. AFIRMS implementation has two key concepts:

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Integrated approach to tasking based capability assessments. AFIRMS has two integrative dimensions. First, all applicable resources and their usage interactions are considered. For example, in sortie capability assessment, AFIRMS evaluates capability in terms of all four essential resource types dircrew, aircraft, munitions, fuel), their interdependencies, and their generative components (such as spares for aircraft, training qualifications for aircrew, load crews for munitions, and hot pits for fuel.) Second, other automated systems (SMS), Combat Fuels Management System (CFMS), Weapon System Management Information System (WSMIS), etc.) outputs are integrated into capability assessment calculations through system interfaces between those systems and AFIRMS.



Data Quality Assurance. Capability assessment is no better than the data upon which it is based. Therefore, AFIRMS emphasizes a user orientation toward quality assurance of source data. Unit and other data input level users are provided effective tools to accomplish their daily activities and, therefore, develop a vested interest in AFIRMS data currency and validity. Capability assessment data can then be extracted for use by higher or parallel users with maximum confidence in its validity.

1.2.2 AFIRMS Functions

Four basic AFIRMS functions combine to assess readiness capability:

- Translate Tasking. As a tasking based capability assessment system, tasking must be converted into a standard format recognized by AFIRMS. Tasking is defined in AFIRMS to the unit level and may consist of actual, hypothetical, standard, or contingency tasking. Any of these taskings can be defined within specified War Mobilization Plan (WMP) or Operations Plan (OPLAN) constraints, at the option of the user. Likewise, the tasking may be defined by the user for present, historic, or future requirements.
- b. Define Resources. The resource definition function of AFIRMS ensures that information about inventory status is available and accurate. Wherever possible, this data is obtained by interfacing with other functional systems. As with tasking, resource information can be defined for actual, hypothetical, standard, or contingency situations either present, historic, or future.

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c. Determine Ability to Perform. Determining the force's ability to perform is the essential function of AFIRMS. The tasking and resource data is processed to determine how much of the specified tasking can be accomplished with the resources available. Ability to perform is evaluated in terms of the task metric (sorties, etc.) and the cost metric (dollars) to provide readiness) sustainability and dollars to readiness assessments.

Aggregate, Analyze, and Present Data. Aggregation, analysis, and presentation ensure the proper grouping and display of data to provide useful information at the unit, major command (MAJCOM), and Headquarters, United States Air Force (HQ USAF) levels. Aggregation refers to the creation of a composite understanding of capability for several units.

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1.3 AFIRMS Documentation

A set of nine types of documents describes AFIRMS. A list of these AFIRMS documents is provided below along with a short description of the particular aspects of AFIRMS which are addressed by each document.

- a. Functional Description (FD). The FD provides the description of AFIRMS concepts in user terms. It is the baseline document which ties the AFIRMS documents together.
- b. Economic Analysis (EA). The EA states AFIRMS' estimated costs. It explains the cost factors of AFIRMS implementation alternatives and states the recommended alternative.
- c. Evolutionary Implementation Plan (EIP). The EIP details the current plan for AFIRMS¹ implementation. It describes the time sequence of the implementation by functional blocks, organizations, and work phases (analysis, development, installation, etc.).
- System Specification. The AFIRMS System Specification adds the design requirements to the functional concepts in the FD. It divides the system into subsystems (HQ USAF, MAJCOM (United States Air Forces Europe or USAFE), and Wing (unit)) and assigns functions required within each subsystem. The system specification details the overall architecture, intersite interface gateways, processing logic flows, and the communication network specifications.



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- Subsystem Specifications. There are three AFIRMS subsystem specifications: HQ USAF, HQ USAFE (MAJCOM/numbered Air Force), and the Wing (unit/squadron). Subsystem specifications detail the specific design and/or performance requirements of the system at that level. Design details cover the architecture, required functions, the functional users, intrasticutions.
- database Specifications. There are three AFIRMS database specifications: HQ USAF, HQ USAFE (MAJCOM/numbered Air Force), and the Wing (unit/squadron). These specifications describe the database architecture, size, and content as well as logical data relationships for the functions performed at each of the AFIRMS levels.
- g. Data Requirements Document (DRD). The DRD identifies, categorizes, and groups the generic types of data used in AFIRMS. It also defines each type of AFIRMS data element (attribute class).
- Product Descriptions (PDs). The PDs visually portray the products, which implement the AFIRMS functions, as input and output tools.
- i. Transform and Model Descriptions. The Transform and Model Descriptions defines how AFIRMS calculates the output data from the input data. Specific algorithmic calculations are provided. Logical groups of algorithms forming AFIRMS models and transforms are described.

1.4 AFIRMS References

References applicable to the history and development of the AFIRMS Program are listed below, along with references concerning documentation and programming standards.

- AFIRMS Data Requirements Document, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- b. AFIRMS Economic Analysis, Final, Soffech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS Evolutionary Implementation Plan, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)

- AFIRMS Functional Description, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- e. AFIRMS HQ USAF Database Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS HQ USAF Subsystem Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- 8. AFIRMS HQ USAFE Database Specification, Final,
 SofTech, Contract No. F49642-83-C-0022, 31 May 1985.
 (Unclassified)
- h. AFIRMS HQ USAFE Subsystem Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- i. AFIRMS Product Descriptions, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS System Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS Transform and Model Descriptions, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS Wing Database Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- AFIRMS Wing Subsystem Specification, Final, SofTech, Contract No. F49642-83-C-0022, 31 May 1985. (Unclassified)
- n. System Interface Design for the AFIRMS LPP and the Combat Fuels Management System (CFMS), SofTech, Contract No. F49642-83-C-0022, 28 February 1985. (Unclassified)
- System Interface Design for the AFIRMS LPP and the Air Force Operations Resource Management System (AFORMS), SofTech, Contract No. F49642-83-C-0022, 2 November 1984. (Unclassified)
- AFR 700-1, Managing Air Force Information Systems, 2 March 1984. (Unclassified)

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- AFR /00-2, Information Systems Planning,
 26 October 1984. (Unclassified)
- r. AFR 700-3, Information Systems Requirements Processing, 30 November 1984. (Unclassified)
- s. AFR 700-5, Information System Requirements Board, 9 November 1984. (Unclassified)
- AFR 700-9, Information Systems Standards, 15 March 1984. (Unclassified)
- u. AFM 11-1, Vol. I, U.S. Air Force Glossary of Standardized Terms, 2 January 1976. (Unclassified)
- ., AFR 205-16, Automated Data Processing (ADP) Security Policy, Procedures, and Responsibilities, I August 1984. (Unclassified)
- W. DoD-STD-7935.1, Automated Data Systems (ADS)
 Documentation Standards, 24 April 1984. (Unclassified)
- . JCS Pub I, Department of Defense Dictionary of Military and Associated Terms, 24 April 1984.
- JCS Memorandum of Policy #172, 1 June 1982. (Unclassified)
- AFR 300-4, Vol. 3, Air Force Data Dictionary, 15 August 1983. (FOUO)
- aa. AFR 300-4, Vol. 4, Air Force Data Dictionary, I May 1984. (FOUO)
- bb. Sustainability Assessment Model (formerly CAC)
 Functional Description, Contract No.
 F33700-83-G-002005701, 8 April 1983. (Unclassified)
- cc. MIL-STD-480 Configuration Control-Engineering Changes, Deviations, and Waivers.
- dd. MIL-STD-483 Configuration Management Practices for Systems, Equipment, Munitions, and Computer Programs.
- ee. USAF Operational Major Command Functional Area Requirement (FAR), SofTech, Contract No. F49642-82-C-0045, 15 December 1982. (Unclassified)
- ff. AFR 55-15, Unit Combat Readiness Reporting (C-Ratings) (Unit Status and Identity Report (UNITREP), RCS:HAF-XOO(AR)7!12(DD)), 22 November 1982. (Unclassified)

gg. USAFE Annex to USAF FAR, SofTech, Contract No. F49642-82-C-0045, 20 August 1982. (Unclassified)

- hh. AFIRMS FAR, SofTech, Contract No. MDA-903-76-C-0396, 14 March 1980. (Unclassified)
- ii. AFIRMS Data Analysis, SofTech, 15 February 1979. (Unclassified)
- User's View of AFIRMS, SofTech, I November 1978. (Unclassified)
- kk. AFIRMS Data Automation Requirement (DAR), Final, SofTech, Contract No. MDA-903-76-C-0396, 14 March 1980. (Unclassified)
- AFIRMS LPP ADP Security Plan, SofTech, Contract No. F49642-83-C-0022, 13 February 1985. (FOUO)



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1.5 Abbreviations and Acronyms

- Capability	- Close Air Support	- Combat Ammunition System	- Category	- Cluster Bomb Unit	- Central European Pipeline System	- Combat Fuels Management System	- Chemical	- Commander In Chief	- Command	- Collocated Operating Base	A - Communications	PES - Contingency Operations/Mobility Planning and Execution System	- Conventional	JS - Continental United States	- Cancel	- Command Post Exercise	- Aircrew	- Combat Supplies Management System	- Contingency Support Staff	- Dollars to Readiness	- Duty Not Involving Flying	- Designed Operational Capability	- Department of Defense	- Data Requirements Document	- Defense Suppression (i.e., Wild Weasel)	- Date Time Group	dal - A rocket-assisted runway-cratering munition	- Economic Analysis	ell - Emergency Actions Cell	- Electronic Countermeasure (Pods)	A NATO command and control system	- Evolutionary Implementation Plan
CAP	CAS	CAS	Cat.	CBU	CEPS	CFMS	CHE	CINC	CMD	COB	COMM	COMPES	CON	CONUS	CNX	CPX	CRW	CSMS	CSS	DLR	DNIF	DOC	DoD	DRD	DS	DTG	Durandal	EA	EA Cell	ECM	EIFEL	EIP
Assembly and Distribution	Alaskan Air Command	Aircraft	Aircraft Number	Aircraft .	Aircrew	Air Defense	Air Force	Air Force Integrated Readiness Measurement System	Aerospace Ground Equipment	Air Ground Missile	Air Intercept Missile	Airlift Control Center	Alternate (Mission)	Alternate Facility	Ammunition	Aircraft Maintenance Unit	Assign	Assigned	Actual Time of Arrival	Attack	Actual Time of Departure	Air Tasking Order	Allied Tactical Operations Center	Available	Authorized	Awaiting Maintenance	Awaiting Parts	Battlefield Air Interdiction	Barrels	Battle Damage Repair	Biological	Budget
1	•	•	•	ı	•	•	•	1	•	١	ı	1	•	()	٠	t	ı	1	1	ı	1	+	•	ı	•	ı	ı	١	1	1	•	ı
A and D	AAC	A/ C	AC NBR	ACFT	ACRW	AD	AF	AFIRMS	AGE	AGM	AIM	ALCC	ALT	ALT FAC	Ammo	AMU	Asgn	Asgnd	ATA	ATCK	ATD	ATO	ATOC	Avail	Auth	AWM	AWP	BAI	BBLS	BDR	BIO	BUD

- Liquid Oxygen	- Learning Prototype Phase	- Logistics Readiness Center	- Leave	- Military Airlift Command	- Maintenance	- Major Command	- Major Command	- Mission Capable	- Mission Capable in 12 hours	- Mission Design (e.g., F-4)	- Mission Design Series (e.g., F-4E)	- Minimum Essential Subsystem List	- Missing In Action	- Mission Capable	- Minimum	- Main Operating Base	- Mission Ready	- Mission	- Mission Ready	- Munitions	- Maintenance	- Numbered Air Force	- North Atlantic Treaty Organization	- Nuclear, Biological, Chemical	- Not Mission Capable	- Not Mission Capable for Both (Supply and Maintenance)	- Not Mission Capable for Maintenance	- Not Mission Capable for Supply	- Number	- Not Operational	- Nuclear
rox	LPP	LRC	۲	MAC	Maint	MAJ	MAJCOM	MC	MC + 12	WD	MDS	MESL	ΜIA	MICAP	Mi	MOB	MR	Msn	MSN RDY	MUN	×	NAF	NATO	NBC	NMC	NMCB	NWCW	NMCS	Š.	NOP	NUC
- Effective/Non-Effective	- Expenditure Per Sortie Factor	- Engineering Services Readiness Center	- Estimated Time In Commission	- Estimated Time of Return	- Electronic Warfare	- Electronic Warfare Officer	- Expected Mission Ready (Date)	- Functional Description	- Flight Qualifications	- Fully Mission Capable	- Full Operations	- For Official Use Only	- Federal Stock Code	- Fiscal Year	- Gallon	- Government Accounting Office	- Guided Bomb Unit	- Ground Controlled Approach	- Graduated Combat Capability	- (Aircraft) Generation Factor	- Geographic Reference (coordinates)	- Headquarters, United States Air Force	- Headquarters, United States Air Forces Europe	- Hours	- Interdiction	- Joint Chiefs of Staff	- Joint Rescue Control Center	- Killed In Action	- Local time	- Location	- Limited Operations
'	•	,	•	1	1	,	'	•	•	1	'	•	'	•	•	•	1	t	•	'	•	1	1	•	'	'	•	1	•	'	•
E/NE	EPSF	ESRC	ETIC	ETR	EW	EWO	EXP MR	FD	FLT QL	FMC	FOP	FOUO	FSC	FY	Gal.	CAO	GBU	CCA	၁၁၅	GEN FAC	GEOREF	HQ USAF	HQ USAFE	HRS	INTD	JCS	JRCC	KIA	-1	COC	LOP

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CA	•	Offensive Counter-Air	RAPCON	1	Radar Approach Control
OPLAN	•	Operations Plan	RC	•	Readiness Center
OPORD	1	Operations Order	Recce	ı	Reconnaissance
OR	ı	Operationally Ready	REQ	•	Requirement
osc	1	Operations Support Center	REQ'D	ı	Required
osp	ı	Office of the Secretary of Defense	RNDS	•	Rounds
PAA	1	Primary Aircraft Authorization	RNK	١	(Military) Rank
PACAF	ı	Pacific Air Forces	RWY	4	Runway
PARAM	1	Parameter	SAC	•	Strategic Air Command
PD	•	Product Descriptions	SCL	•	Standard Conventional Load
PEM	ı	Program Element Monitor	SEQ NUM	1	Sequence Number
Pers	1	Personnel	Ser No	,	Serial Number
PG	١	Page	SGM	•	Sortie Generation Model
P+Hrs	ı	Parts plus X number of hours (an ETIC, e.g., P+12)	SPT	f	Support
PMC	ı	Partially Mission Capable	NGÒS	1	Squadron
PMCB	1	Partially Mission Capable for Both (Maintenance and Supply)	SRC	•	Survival Recovery Center
PMCM	•	Partially Mission Capable for Maintenance	STA	1	Station (ON STAtion, OFF STAtion)
PMCS	•	Partially Mission Capable for Supply	STAT	•	Status
POL	ı	Petroleum, Oil, Lubricants	STN STAT	ſ	Station Status
POM	ı	Program Objective Memorandum	SUPL	•	Supply
POS	1	Possessed	TAC	•	Tactical Air Command
POS	١	(Crew) Position	TDY	•	Temporary Duty
PPBS	1	Planning, Programming, and Budgeting System	TFS	,	Tactical Fighter Squadron
PRC	ı	Personnel Readiness Center	TFW	,	Tactical Fighter Wing
Pre Conf	1	Pre-Configuration	TNG	•	Training
Pre F1t	ı	Preflight (inspection)	TNK CON	•	(Fuel) Tank Configuration
Pre Sel	•	Pre-Select (indicator)	TOT	,	Time Over Target
PRI	1	Priority	TRN BAK	1	Turn Back
PRP	•	Personnel Reliability Program	TRW	,	Tactical Reconnaissance Wing
QTY	•	Quantity	TRAN	1	Transportation
			TRAP	ı	Tanks, Racks, Adapters, Pylons

1-7

Unknown

United States

United States Air Force USAF

United States Air Forces Eur spe USAFE

Utilization Ute

With

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War Mobilization Plan WMP

Weapons Delivery WPN DEL

Wing Operations Center ₩OC

War Readiness Material WRM Weapon System Management Information System WSMIS

WSO.

Weapon Systems Operator

Work Unit Code WUC

Wild Weasel *

Weather (Category Code) ×

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SECTION 2. DOCUMENT ORGANIZATION

- for the Product Description document is organized to support the following four areas of concern:
- 3 ar 1) Provide an inventory of AFIRMS products;
- be convicte for orderly growth and development of the document as AFIRMS is implemented;
- . Τ' Associate product displays and/or screens with Air Force product-user activities and locations which the products support; Δη Α
- A. Provide cross reference aids that help the reader locate products.

2.1 The Sections of the Product Descriptions Document

Section I introduces AFIRMS and Section 2 describes the document organization. Section 3 delineates the format used to describe the products in the annexes. Annex 5 of the Product Description document contains product descriptions that address the Headquarters, USAF. This section subdivides products by purpose into four subsections: (I) Translate Tasking Products; (2) Resource Capability Products; (3) Resource Status Products; and (4) Air Staff Support Products.

Annex 10 of the Product Description document is in two parts. Part I contains products that address Headquarters, United States Air Forces, Europe (HQ USAFE). This section is subdivided by product purpose into four subsections: (1) Translate Tasking Requirements products; (2) Resource Capability products; (3) Base/Resource Status products; and (4) USAFE Staff Support Products. Part 2 contains product descriptions that address the 52nd Tactical Fighter Wing (TFW). This section is also subdivided by product purpose into five subsections: (1) Translate Tasking products; (2) Resource Capability and Availability products; (3) Resource Status and Scheduling products; (4) Execution and Monitoring products; and (5) Wing Staff Support products.

Additional annexes will be added to reflect product requirements of other major commands as they implement AFIRMS,

2.2 The Environment of the Product Descriptions

The site environment for the HQ USAF, MAJCOM and Wing level products is the Pentagon, HQ USAFE, and 52nd TFW, respectively. The focus at each site is on the respective operations center during an exercise or crisis in Europe, i.e., Air Force Operations Center, USAFE Operations Support Center (OSC), and the Wing Operations Center (WOC). The emphasis at each site is on the main processes and activities involved in (1) generating a frag or flying schedule in the WOC, (2) developing and/or assessing feasible unit tasks and monitoring unit activity in order to provide logistic support in the OSC, and (3) analyzing the MAJCOM response to the assigned task, and monitoring MAJCOM activity in order to provide budget funding and logistic support in the Air Force Operations Center.

For peacetime, the focus is on the normal day-to-day activities of the respective staffs. At both the Air Staff and USAFE, the emphasis is on the Program Objective Memorandum (POM) process and activities involved in moving toward the submission and defense of the budget. At the wing, it is on the flying schedule process and its execution, which, except for the tasking source, is basically the same as their exercise frag building and execution process.

2.3 Aids for Locating Products

The cross reference aids used in this document consist of the following:

- a. Table of Contents and Section/Subsection location by TAB pages.
- An index in each annex that alphabetically lists all products with page location.

2-1



SECTION 3. THE PRODUCT SCREEN FORMAT AND NARRATIVE DESCRIPTION

The product screens shown in this document are either a conceptual artist's mock-up of a computer graphic display or a "hard" copy of the actual graphic display that has been presented to the Air Force user during the Learning Prototype Phase (LPP). The implemented screens are a picture of the actual cathode ray tube screen and have function keys displayed at the bottom of the screen. The conceptual products are artist drawings and can be distinguished by the lack of function keys, the inclusion of a "Screen ID No." box, and its clearer image.

The dimension and layout are proportionately scaled displays of the 19" color graphics terminals and 12" black and white terminals that were used for product evaluation during the LPP. On an opposing page below each screen is a narrative description. The narrative descriptions provide the screen purpose, users, classification, assumptions, and other information related to the screen.

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SCREEN CURRENCY: DTG SCREEN DATA CURRENCY: OLLD NEW

The date-time-group (DTG) for Screen Currency will be the date and time the display is requested.

The DTGs for Screen Data Currency will be the date and time of both the latest and the oldest data displayed on the screen.

However, for computed data such as used in the capability assessment products, the "OLD" DTG will be blank and the "NEW" will have the DTG representing the time of computation.

CLASSIFICATION

TITLE

RESERVE CONTROL SOURCE CONTROL OF THE PROPERTY OF THE PROPERTY

TASKING: CHANGE 2 OPORD 1666, 14 AUG 83 STATUS AS OF: 15 AUG 83, 06002

the user declines to assign a classification, a default to a preset classification for each screen/display will be used. Classification will be UNCLASSIFIED, CONFIDENTIAL, SECRET, or TOP SECRET. Since individual unclassified data items/elements can become classified when aggregated, the proposed method is to use the classification assigned by the user. If

The Tasking box will always appear in this position. Tasking and Status boxes will not appear on the same display/screen. Further, some screens will not have either box displayed. The Tasking box will only appear when a task has been input. The date is the official date of the task, e.g., OPORD 4000 dated i4 AUG 83. When there is a change to the task, it will appear as shown. The date of the change will not be shown.

appears will be that of the latest update. This could a date and time assigned by the system at the time of the update. Tasking and Status boxes will not appear on the same display/screen. Some screens will not have either box displayed. The Status-as-of box will always appear in this position. The date and time which user or it could be given by the computer

unique number assigned to this screen. This will give the user the ability to call this screen/display directly if so desired. This number should not be confused with the screen number at the bottom of each page (used solely for sequencing within this volume). The Screen Identification Number

The date is the current date. The time is the current clock time (in zulu (Z) or local (L)). The user decides which time reference to use (zulu or local) but, otherwise, has no control over this as it is generated by the system.

When the display/screen cannot be shown in its entirety, this box will appear to indicate that this display must be paged or scrolled to view all of the information.

CLASSIFICATION 15 AUC 83

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PACE

7007

SCREEN ID NO.

3-2







3.1 The Product Description

opposing page of text. The four pages for implemented products are as follows: (1) a hardcopy of the 19" screen display, (2) an opposing page of implemented during the LPP, whereas unimplemented products require descriptive text, (3) a figure/graphic representation of the parameter screen, and (4) a hardcopy of the 12" black and white screen This document details/defines AFIRMS display products using a combination of graphic presentations and the associated descriptive only two (2) pages - an artist's conception in conjunction with an text. Four (4) pages are utilized to describe products that were implementation, where applicable.

the basic elements commonly found on AFIRMS display screens. Below The page above presents and describes the format and content of is provided/presented a guide to the narrative portion of the display screen description. Certain screens are better understood with a dynamic, as opposed to a static, display. To effectively convey this to the reader, the screen displays are repeated with variations of screen content. In these cases, an abbreviated text page opposes the screen page (e.g., Status Map).

Title of the product screen. Screen Title:

Number of the product screen.

Screen Number:

The overall purpose or function of the product screen. Screen Purpose:

Users:

supported or concerned with the information the The Air Force user envisioned to be primarily Primary

screen provides.

Screens

Other Air Force users who might benefit from information on the screen.

Supporting

Scenario

A description of events which have occurred and/or are in progress that lead to situational use of the

Classifications

Black-and-White Tabular Version:

classifications are the best estimates available at or TOP SECRET. Some screens will have a range i.e., UNCLASSIFIED, CONFIDENTIAL, SECRET, The typical security classification of the screen, of classifications that will depend on the classification of the data presented. All the time the PD is published.

Assumptions:

about the conditions that must exist for the screen A list of assumptions about the information and to be possible.

OS.

A general statement about how and where the data was obtained for the screen.

either in terms of informational content or related The list of other product screens that are related to the scenario of this screen.

Related Screens:

Data Sources:

Display Screen

Features:

A short list of the most distinctive display screen depicted. The screens are generated by standard generalized software, and a complete list of the leatures of these screens appears in Section 3.4. features needed for the product to work as

A list of the function key numbers needed for the product display screen. A description of each function key is in Section 3.5.

Function Keys:

Display Screen

identified; however, they will be identified during the Analysis Phase of the AFIRMS implementation A list of the changes in the product recommended development. Those products not implemented A list of data elements identified by the LPP during the LPP do not have data elements by the LPP development.

Data Elements:

Recommended

Changes

during the LPP. Those products not implemented will have their parameters determined during the parameter selection screen used for the product Analysis Phase of the AFIRMS implementation. This figure includes the parameters of the Parameter Selection

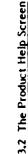
versions will be analyzed and their form determined A copy of the black-and-white version of tabular screens developed during the LPP is included for reference. While most graphic products (except developed during the LPP. Consequently, those black-and-white tabular screens, none was during the Analysis Phase of the AFIRMS map products) will have counterpart implementation.

The displays affected by any changes made to the data on this Interactions the user can have with this screen will be listed. The parameters the use may change for "what-if" queries. SCREEN ID NO. The relationship of this screen to other displays. 87862 INTERACTIONS screen. ۲. 3. 7-6 Will list assumptions or rules contained in algorithms or tables used for computations (i.e., munitions substitutions). Things the user should remember about the displays. For example, the displays do not show any uncertainty inherent in the results (i.e., standard deviation excluded). Assumptions inherent in predictions about a future capability or readiness will be included. Only the assumptions applying to this display will be listed. Parameters that are critical to viewing the display screen (munitions substitution, with or without resupply, etc.) will normally be indicated on the display. 15 AUC 83 Fixed parameters might be listed here. Variable parameters will not be listed. ASSUMPTIONS: ö LAST UPDATE. DD MMM YY PACE 7 ۲. ~ ٠. ۀ



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The product screens in this PD are predicated on a number of assumptions that the user needs to be aware of in order to interpret the information presented correctly. The product screen is too small to show both the graphics and the screen's assumptions. Therefore, each product screen will have an associated subscreen that will not only list the screen's assumptions, but will also list the possible interactions the user could initiate with the product screen and/or on the data as part of "what-if" queries. This PD only describes the associated Help screen conceptually. The actual Help screen content and design must be specified during the Analysis Phase of AFIRMS implementation.

Format explanations are:

- a. The subscreen is called up while viewing the product screen by a HELP function key at the bottom of the product screen (see the Base Status Map product) or a special function key on the keyboard. After reviewing the subscreen, the user is sent back to the product screen.
- b. The box in the upper left corner will contain the date of the last update made to the product assumptions and/or interactions.
- The boxes at the bottom are the same ones as those found at the bottom of the product screen.
- d. If the list of assumptions and/or interactions is too long for the screen, it may be scrolled or paged for the rest of the information.
- e. The TITLE is the product screen title.



3-5

PARAMETER SELECTION SCREEN:

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	د	Choose a minimum of 1 value and a maximum of n. or Write in a value		
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	PAGE 1 of n	Choose a minimu 1 value and a maximum of n. or Or Write in a value		7
!		Cho 1 vë max Writ		
2			негр	9
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т т			RETURN TO TOP MENU	#
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2ND	ARRAY OF P	2ND ARRAY OF PARAMETER SCREEN KEYS	CREEN KEYS						







3.3 Product Parameter Screen

The purpose of the parameter screen is to assist the user to input those values the system needs to execute, compute, and display the product. The parameter screen is also used to initiate the batch job or process to execute the Sortie Generation Model, the Dollars To Readiness Model, the Roll Up, Transmit, and Post functions.

The figure above is a generic copy of the parameter screen. A description of the parameter screen features follows:

litle: Each parameter screen uses the title of the product it serves.

Environment: The terms 'PEACE,' 'EXERCISE,' 'CRISIS' do not have any parameter use except to notify the user of the mode being used.

Page: This tells the user which page of the parameter screen is in use. Some products have seven parameters. The big 19" screens can list all of the parameters but a 12" screen cannot. The only way to know if there are more parameters to use is to reference the page numbers.

Default value: Most parameters have a default value that represents the most frequently used parameter choice. Its purpose is to save the user time in making parameter selections. It is changeable to accommodate the user's preferences.

Write-in values: Not all parameters have a list of parameter choices to select from. For those infrequent instances, the user must type in a value. The parameter screen will tell the user when to write in a value.

Parameter window: The box to the right side of the figure is where the parameter choices are listed. It is blank except when the user indicates his/her intention to make a parameter selection. That indication is accomplished by pressing the SELECT PARAM VALUE function. The parameter window then displays the list of possible choices and instructions as to the minimum and maximum number values that may be selected. If there is no list, the parameter window will tell the user to write in a value.

Write-in area: At the bottom of the parameter screen beneath the parameters is the area where a command or a parameter value is input. The cursor is automatically positioned there.

Parameter box: The box around the number of the parameter tells the user which parameter is currently selected.

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Function key: A series of bezel, special function, or programmable keys commands the parameter screen to perform the functions indicated:

DISPLAY Initiates the program to compute, retrieve, and PRODUCT display the data on the screen.

RETURN Returns the user to the first or top menu. TO TOP

MENU

RETURN Returns the user to the menu from which the PREVIOUS product was selected.

MENO

HELP Interrupts the parameter screen and takes the user to the Help screen. When finished, the user returns to the parameter screen.

PAGE Pages the parameters or parameter window list REVERSE in reverse order. It pages a half or full page depending on the paging state.

FULL PG Changes the paging state to FULL or HALF page. HALF PG

PAGE Pages the parameters or parameter window list forward in sequential order. It pages a full or half page depending on the paging state.

SELECT Activates the parameter selection mode.

PARAM Pressing the key a second time de-activates the mode. Parameters can be selected only when this

Deletes a parameter value. PARAM

is activated.

VALUE

ENTER Is active when the SELECT PARAM VALUE mode is activated. When this key is pressed, a value from the list displayed in the parameter window is entered beneath the parameter.

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3.4 Product Display Screen Features

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The display screens are one of three types depending on the form of the displayed data: graphic, tabular, or a combination of graphic output screens. The tabular screens may use color to segregate the and tabular. The tabular screens display the data values listed in a table format, i.e., rows and columns. Normally, they are input and data into like types to assist the user in assimilating the data.

graph, or pictorial (i.e., maps). These are output screens only. The The graphic screens are also of standard types: bar graph, line bar graph screens will have a data value atop the bar.

special programming needed for the remaining portion of the screen. The combination screens of tabular data and graphic charts are AFIRMS. They may or may not be input screens. The combination screens will use only one of the standard screen generators with unusual. It is expected that there will be only a few of them in

The display screen software uses standard, general routines to generate the screens. The standard screen generators and their particular features are:

Standard Tabular Screen Generator:

Full screen or file editor,

Right-justified numeric data,

Line highlighter that can be turned (i.e., toggled) Left-justified alphabetic data,

on and off.

Field highlighter that can be turned (i.e., toggled)

on and off with the line highlighter

Dynamic or variable legends,

Blanking of repeating column data (programmable not always wanted).

Field coloring depending on value of data field

Row or record coloring depending on value of a repeating (programmable; not always wanted)

field (the color is the same until the value changes. This, in Column headings programmed separately from body of table, effect, colors several adjacent rows or records.)

column of data that changed from an original or previous data set (flow the indicator is initiated will be described in the product specification during the Analysis Phase of AFIRMS A data change indicator that will indicate the row or implementation.),

cursor is by page and by row in order to call up the correct set that would use this special area are the Unit Status and Base remarks for a row of data -- examples of the type of product of remarks/data. The function is similar to the base position Status products (This requires the routine to know where the A special area at the bottom of the screen to display interrogation feature of the Base Status Map),

down/forward) -- needed to rapidly skip from the dorizontal paging (left, right) is needed to use a Von-sequential vertical paging (up/reverse, current page to the page desired.

LPP used "segmentation" for products too wide for the Status, MAJCOM/HQ USAF version); the color screens were not "segmented", but very small characters were product that is too wide for the terminal screen (the black-and-white dumb terminals -- (see Munitions used to fit all of the data onto the screen (see Munitions Status, MAJCOM/

Scrolling (left, right, up, down) -- not to replace paging but to augment the paging feature. HO USAF version, and

b. Graphic Screen Generators:

- Dynamic or variable legend (as opposed to a fixed, Standard Line Graph Generator with:
 - Dynamic x- and y-axis scaling (depending on the parameter choice or the data base values). "hard-coded" legend), and
- Standard Bar Graph Generator with: 7

Stacked and un-stacked bars,

Data value atop the bar,

Spaces between bars or side-by-side bars,

Dynamic or variable legend,

Rescalable y- axis after screen display (initiated by a function key or special function key to suit the Dynamic x- and y-axis scaling, and user's needs).

3) Standard Mapper with:

to display remarks or other data relevant to a map A special area at the bottom or corner of the screen position (e.g., Base Status Map). The ability to do this requires the routine to know where the cursor is on the map in order to call up the correct information;

coordinates (the positioning is reasonably accurate be inserted, labeled, and deleted by a nontechnical user using latitude and longitude or GEOREF map A coordinate system so names of air bases can with relation to one another);

dynamic value of a database variable (the color Coloring of the base position according to the indicates a status or condition);

A change indication for positions whose status or condition values changed; and Software zoom.





3.5 Product Display Screen Function Key Description

The AFIRMS is operated by the user using a system of menus and programmed keys. The keys could be bezel keys, special function keys, or reprogrammable keys. Some of the product screen key labels can be seen at the bottom of the display screens described in the annexes. The number of available keys was less than the number of keys needed. Arrays of keys solved the problem. Additional keys may be needed for other functions as AFIRMS development continues.

The first array contains the basic key functions needed for every display screen. Most of the graphic displays only need the first array. The tabular input screens need functions to add, delete, and change/edit data. A paging and/or scrolling capability is needed. Because some records have sub-records (e.g., a wing with several munitions as the Wing Resource Summary product, a mission with two MDSs and/or aircraft SCLs as the Tasking Information product, or a unit at multiple locations or with multiple MDSs as the Unit Status product), the system must know when it is editing records or sub-records. Therefore, the second array is reserved for editing records and the third array is reserved for editing sub-records. Switching between arrays is done with two special function keys. An arrow on either or both ends of the array (if on the 2nd of 3 arrays) tells the user which array is in use.

With the user looking at a product display screen, the function keys take the described action when pressed.

•	Key Functional Description		Takes the user back to the parameter selection screen. The parameter choices the user made to display the product are redisplayed.	Changes the state of the Line Highlighter toggle. If it is already turned/toggled OFF, the state is changed to ON and the Line Highlighter appears. If it is already toggled ON, the state is changed to OFF and the Line Highlighter is removed from the tabular display. The key is not active when a graphic screen is displayed.
	Key Label		DISPLAY PARAM SELECT	LINE HIGHLIGHT TOGGLE
	Key No.	Ist Array:	-	2

Spawns a batch process to print a color	copy of the display. This key is on the 1st	array only if the product has a single	screen display. For multiscreen displays,	the key is on the 2nd array with the	paging keys.
HARD	COPY				

Market State Control of the Control

Returns the user to the first/top menu.	
TOP	2

PREVIOUS	Returns the user to the menu from which
MENC	the product was selected.

HELP

Causes the pro parame resour notifie	Causes the system to refresh or update the product display using the current parameter choices. Normally used with a resource status product when the system notifies the user that the status data has heen undated.
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UPDATE SCREEN

NOT USED

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=
Pages the product in reverse order. It pages a full or half page at a time depending on the paging state selected. is active only when a tabular product is displayed and is longer than one page of display.
PAGE REVERSE
•

state. The current paging state is always	highlighted or colored.
	state. The current paging state is always

2

=

Pages the product forward in sequential order. It pages a full or half	page at a time depending on the paging	state selected. It is only active as	described in PAGE REVERSE above.
PAGE FORWARD			

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3-9

ay:	PAGE Same as 9 above. REVERSE	FULL PG Same as 10 above. HALF PG	PAGE Same as 11 above. FORWARD	CHANGE Same as 12 above except only sub-record XXXXXX data is changed. The system prevents DATA changes to record keys/data.	ADD Same as 13 above except able to add XXXXXX sub-records only.	DELETE Same as 14 above except able to XXXXXX delete sub-records only. DATA	NOT USED	ENTER Same as 16 above.			
3rd Array:	61	20	21	22	23	24	25	26			
Permits editing of the screen data. The		products. Pressing the key a second time de-activates the CHANGE mode.	Permits the addition of a record to the data base. Used only for tabular products. Pressing the key a second time deactivates the ADD mode.	Permits the deletion of a record from the data base. Used only for tabular products.	Pressing the key a second time deactivates the DELETE mode. Same as 3 above.	Updates the data base as directed by keys 12, 13, and 14 above. The ENTER key acts	as a confirmation step for the CHANGE/ADD/DELETE keys.	Interrogates the cursor position and displays a box containing data corresponding to the base displayed under the cursor (see Status Map). It occupies one of the 9-16 key positions.	Deletes the box containing the base data. Occupies one of the 9-16 key positions.	Increases the y-axis of the bar graph by approximately 100% after the screen is disclayed. It occupies one of the 9-16 key positions. Used with bar graphs only.	Decreases the y-axis scale of the bar graph by approximately 50% after the
CHANGE	XXXXXX		ADD XXXXXX DATA	DELETE	DATA HARD	COPY		INTER- ROGATE BASE	DELETE DATA ROX	SCALE UP	SCALE
12			13	.	5	91		71	<u>&</u>	27	28



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3.6 Product Screen Identification Schema

An identification schema was developed for AFIRMS to provide a unique identity for each screen. A sequential numbering system is sufficient for the system's internal use only; however, a more meaningful identification system is needed for the AFIRMS users to use in the Command Mode and in their oral and written communications. The product titles alone are not sufficient because products with the same title are necessarily different between the AFIRMS levels, e.g., Base Status at the Wing level is not the same Base Status at the Wing level is not the same will be displayed in a box in the lower right hand corner of the screen. The schema is:

Unit Level. Produc' Function. Series Number. Screen Type

Character Format = AAA.AAA.999.XX

Screen Type	G - Graphic T - Tabular P - Parameter GI - Ist segment TI of multiple PI segments G2 - 2nd segment T2
Screen Number	1-999 (and, if necessary, A00 through 299.) P
roduct Display Use Screen Number Screen Type	WG - Wing TASK - Tasking MAJ - MAJCOM CAP - Capability NAF - Number AF STAT - Status AF - HQ USAF HELP - Product Help DLR - Dollar- Readiness SPT - AFIRMS Support POM - POM
Unit Level	WG - Wing MAJ - MAJCOM NAF - Number AF AF - HQ USAF

Notes: Unit Level is 2 to 3 alpha characters.

Product Display Use is 3 to 4 alpha characters. Other use categories may be needed as AFIRMS development continues.

Screen Number is 3 numeric characters. If expansion is necessary then it could use a mixture of alpha and numeric characters.

A segment (under Screen Type) is a horizontal segment or page of a product. This is not used by the system but may be used as a reference in user communications.

The Menu and System Help (versus Product Help) screens are not included in this schema.

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ANNEX 5. HQ USAF SUPPORT PRODUCTS

SECTION I. AIR FORCE OPERATIONS CENTER SUPPORT PRODUCTS

Air Force Operations Center support products included in this section support the Contingency Support Staff (CSS) activities of:

Translating and reviewing tasking requirements

Reviewing and assessing the readiness of the MAJCOM units and resources to accomplish the task/mission

Monitoring the results and unit/resource statuses

The CSS receives operational and functional area reports from the MAJCOMs on munitions, fuels, spares, maintenance, base status, aircraft and aircrew status and location, etc., and arranges/coordinates theatre resupply of expended/attrited/shortfall resources and/or units. Data from the various reports is entered into the HQ USAF AFIRMS in any one of three ways: (1) by the MAJCOM's AFIRMS, (2) through interfaces with other automated systems, and (3) least frequently, by the functional staff. During crises, the CSS may review theatre Commander in Chief (CINC) plans for sustainability and supportability. The CSS may also develop closely-held plans with little or no MAJCOM involvement.

The scenario used in developing these products is a European crisis or a Command Post Exercise (CPX). It is assumed that HQ USAFE has developed an Operations Order (OPORD) in support of a Joint Chiefs of Staff (JCS)/Air Staff directive (including closely-held ones) and that the HQ USAF CSS and the USAFE CSS are reviewing USAFE's resources and OPORD tasking for feasibility. The products presented support the key CSS players who analyze force options, manage resources, and answer questions assigned by the CSS Team Chief.

This scenario description will not be repeated for the individual screens. What will be described is a specific circumstance within this baseline scenario.

SECTION 2. AIR STAFF SUPPORT PRODUCTS

Consider Contract Variables Research Contraction

The products in this section support the Air Staff during its normal peacetime day-to-day activities. Since a major objective of AFIRMS is to provide a capacity for the Air Staff to connect budget dollars to force readiness, the focus of the products is on the Air Force Program Objective Memorandum (POM) process. To that end, the Translate Tasking (Section I.I) and Capability Assessment (Section I.2) products are used to determine where the priorities should be for the POM resources, i.e., which resources are the most limiting on the Air Force's combat capabilities.

The function of the Dollar to Readiness products is to help the user to determine how the resource(s) and dollars should be traded off to provide the desired and/or affordable improvement in readiness. The two products on munitions substitution have a different purpose. They don't directly show the dollar effect on readiness but they do show the resource impact of using less effective munitions as a substitute for preferred munitions. Indirectly, of course, this resource impact does have a dollars effect on readiness. The next-to-last product represents another objective of AFIRMS: to historically relate force readiness and capability. The controversy that arose in 1984 over the 1984 versus the 1980 readiness using the services C-ratings is not soon forgotten. The last product is an administrative product to tell the user the status of the batch processes spawned by the Sortie Generation and Dollars To Readiness Models, i.e., executing, complete, or aborted.

The products in Section I can assist the Air Staff in other peacetime duties. OPLAN assessments are a big concern to XOXIC, LERX (LRC), LEYS, and LEYW. Mission Area Analysis is of considerable interest to XOOIR and LERX (CHECKMATE) and XOXR (MAA) among others. And, of course, assessment of unit DOC statements is a valuable tool for XOOIM and the functional areas. War Readiness Material (WRM) assessments for adequacy and assistance in resource allocation also come to mind.

If review of these products suggests other uses, please pass them on to XOOIM or SofTech.

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1.1 Translate and Review Tasking Requirements Products

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The first three products in this Section provide a "bird's-eye" view of the task requirements and aid the user to understand the scope of the task. The rest of the products assist the user in translating a general task into specific unit tasks which, in turn, are used by AFIRMS to compute those "bird's-eye" views of the

SCREEN TITLE

Mission Tasking

Aircraft Tasking
Mission & Aircraft Tasking Detail Summary
War Mobilization Plan
Mission Profile Definition
Order Assignments
Wing Flying Day
Wing Operations Rates
Resupply Schedule
Munitions Tasking [Planned; not included]
Fuels Tasking [Planned; not included]
Wing Tasking [Planned; not included]

The purpose of the tasking products is to give the user several different graphic views of the task, e.g., functional or resource, mission, location, or combinations. It is sometimes difficult to grasp the size of a task from a written order. A sample task might be: for the 23rd TFS at Spangdahlem to fly for 30 days with a 2.6 Ute rate for the first 5 days and a 1.5 Ute rate for the next 25 days. Also, 50.8 of the sorties will be Offensive Counter Air; 25%, Defense Suppression; 25%, Interdiction. (The 23rd TFS PAA is 16 F-4E and 8 F-4G.) Munitions loads will be ... etc. That task could be rapidly sized with pencil and paper; however, increase the scope of the task to 10, 25, 50, or 150 squadrons and it becomes very difficult to completely comprehend the task.

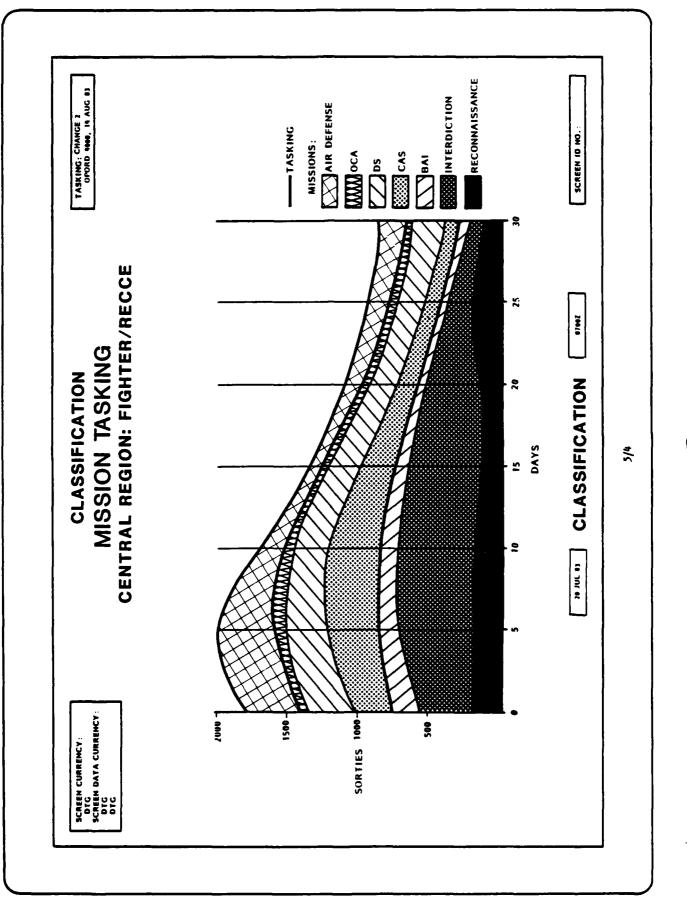
The screens in this section are interrelated because the data about the task is interrelated. For example, take the case of an F-16A tasked for an interdiction mission with the Durandal munition. Changing the aircraft to an F-4E will change not only the aircraft tasking for F-16 and F-4Es, but also the fuels tasking. Additionally, the munitions tasking may change because the F-4E may not be able to carry a Durandal. The point is that changing the data, after reviewing a screen such as the Mission & Aircraft Tasking Detail Summary, will also change the other screens.

It is very desirable to do "what-if" queries by changing the tasking data; however, the user must be aware that changing the data will impact other readiness factors.

The tasking screens also affect the capability screens in the next Section (1.2). If the unit(s)/task force/MAJCOM capability has been computed, changing the tasking after that computation will necessitate recomputing the capability screens.

A final comment: the products that translate the task into specific tasking, i.e., Mission Profile Definition, Order Assignments, Wing Flying Day, and Wing Operations Rates, have several recommended/suggested changes listed. The changes recommended are not an exhaustive list. The LPP did not permit the development of an operational system. Therefore, further analysis will be needed to develop an operational version of the Sortie Generation Model and the Translate Tasking Module. It is expected that more Translate Tasking products will be needed for the operational system.





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SCREEN TITLE: MISSION TASKING

SCREEN NUMBER: AF.TASK. .G

SCREEN PURPOSE:

Display the aggregate distribution trends of tasked sorties across multiple missions by day.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOXIC, XOOIM

SCENARIO: (Reference baseline scenario.)

The CSS is evaluating a USAFE Operations Plan (OPLAN)/OPORD (perhaps for a JCS close-hold task). The CSS wants to review the first 30 days of the aggregate Central Region mission tasking.

CLASSIFICATION

The normal classification is expected to be SECRET, though it could be TOP SECRET if the OPLAN's security instructions require it. However, if the task is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- a. The Air Force is using standard acronyms for the missions, i.e., BAI for Battlefield Air Interdiction.
- b. The sortie data may be (1) objective sortie rates for an OPLAN or a what-if query, (2) standard rates from the War Mobilization Plan (WMP) or unit Designed Operational Capability (DOC) statements, or (3) lump sum sorties per day per mission.
- c. Task data has been entered and units tasked.

DATA SOURCE:

The mission data is computed from unit tasking data that a user has input and assigned to units. The unit names and employment dates and locations may be obtained from a war plan through an interface with COMPES. Unit MDS, PAA, and sortie rates and duration may be obtained from XOXIC's Wartime Sortie and Flying Hour program. If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS:

Aircraft Tasking
Mission & Aircraft Tasking Detail Summary
Munitions Tasking [Planned; not included]
Unit Tasking [Planned; not included]
Tabular versions of all except Tasking Detail Summary

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES: None.

NECOMMENDED CHARLES

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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TRIXING: Oplan 48621 / 39 APR 1965 TRIXING 題 1342 ALL FIGHTER/RECCE **PIRCRAFT TASKING** UNCLASSIFIED UNCLASSIFIED 20105 20105 3/6 호 USAFE 81 Nay 85 SOXEN CURRENCY:
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SCREEN TITLE: AIRCRAFT TASKING

SCREEN NUMBER: AF.TASK. .G

SCREEN PURPOSE

Display the aggregate distribution trends of tasked sorties for several aircraft MDs by day.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOXIC, XOOIM

SCENARIO: (Reference baseline scenario)

The CSS is evaluating a USAFE OPLAN or OPORD and, having reviewed the mission tasking, now desires to review the aggregate USAFE tasking by aircraft MDS.

CLASSIFICATIONS

The normal classification is expected to be SECRET, though it could be TOP SECRET if the OPLAN's security instructions require it. However, if the task is a "what-if" exercise, it can be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- Task data has been entered and units tasked.
- b. The sortie rates may be (1) objective sortie rates from an OPLAN or a what-if query, (2) standard rates from the WMP or unit DOCs, or (3) lump sum sorties per day.
- c. Though the tasking is specific to the unit's MDS (e.g., F-4E, F-4G, F-15A, F-15B, etc.) the tasking is grouped by the aircraft MD (e.g., F-4, F-15) for viewing purposes.

DATA SOURCE:

The mission data is computed from unit tasking data that a user has input. Some of the data may be obtained through an interface with COMPES and XOXIC's Wartime Sortie and Flying Hour program. If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS:

Mission Tasking
Mission & Aircraft Tasking Detail Summary
Munitions Tasking [Planned; not included]
Unit Tasking [Planned; not included]
Tabular versions of all except Tasking Detail Summary

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES:

The legend order of display must be shown in the same order as the graph.

DATA ELEMENTS:

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Element Name	Order Identification	Order Date	Order Classification	Tasked Unit Name	Order Identification For Tasked Unit	Task Period Start From Day	Task Period End To Day	Resource Type Needed For Total Order	Resource Qty Needed For Total Order

PARAMETER SELECTION SCREENS

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BLACK-AND-WHITE FABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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CLASSIFICATION

MISSION & AIRCRAFT TASKING DETAIL SUMMARY CENTRAL REGION: FIGHTER/RECCE DAY 5

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SCREEN TITLE: MISSION & AIRCRAFT TASKING DETAIL SUMMARY

۲. SCREEN NUMBER: AF.TASK.

SCREEN PURPOSE:

Display the detailed summary information for the tasked missions and aircraft.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOXIC, XOOIM

SCENARIO: (Reference baseline scenario.)

The CSS has reviewed the aggregate distribution of tasked sorties by mission and aircraft. The CSS now wants to see the specifics of a one-day slice of the multi-day task (it could be the total Air Tasking Order).

CLASSIFICATION:

could range from UNCLASSIFIED to TOP SECRET depending on the task's classification instructions. Therefore, the classification must be determined by the user building the task. The normal classification is expected to be SECRET, though it

ASSUMPTIONS:

- The task has been entered and units tasked.
- sortie rates or is input in lump sum sorties per day per unit. The sortie data is computed from objective or standard ځ
- The tasking is specific to the unit's MDS and is also viewed here by MDS even though it was grouped by MD for the Aircraft Tasking screen. ڻ

DATA SOURCE:

The tasking data is computed from unit tasking data that a user has input. Some of the data may be obtained through an interface with COMPES and XOXIC's Wartime Sortie and Flying Hour program. If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS:

Tabular versions of all except Tasking Detail Summary Munitions Tasking [Planned; not included] Unit Tasking [Planned; not included] Mission Tasking Aircraft Tasking

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Line Highlighter

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES: None

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: WAR MOBILIZATION PLAN

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SCREEN NUMBER: AF.TASK.

SCREEN PURPOSE:

Display the War Mobilization Plan (WMP) Volume 5 planning factors.

USERS:

PRIMARY: CSS

SUPPORTING: XOXIC, LRC

SCENARIO: (Reference baseline scenario.)

The CSS is reviewing the War Mobilization Plan (WMP) planning factors used in building the task/OPLAN.

CLASSIFICATION:

Normally this screen will be classified SECRET. However, "what-if" versions may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The sortie rates and duration will be the same for all units with the same MDS.

DATA SOURCE:

The data for this task may be input by the user, transmitted to HQ USAF by a MAJCOM via AFIRMS, or obtained by an interface to COMPES or XOXIC's Wartime Sortie and Flying Hour program.

RELATED SCREENS:

Order Assignments Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Descriptions, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, and 26.

RECOMMENDED CHANGES:

Use aircraft MDS versus MD.

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PARAMETER SELECTION SCREENS

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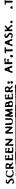
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SCREEN TITLE: MISSION PROFILE DEFINITION

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SCREEN PURPOSE:

Display the mission priorities and aircraft SCL assignments for the respective time periods used in unit tasking and readiness assessments.

USERS:

PRIMARY: CSS

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the CSS is reviewing the mission priorities and aircraft SCLs used by the missions in that tasking.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

These assumptions may not suit everyone and the changes recommended below will relieve some of those concerns. As it stands, this product served its purpose for the LPP. For this PD, it serves as an example of a product needed to define the mission for the task.

- a. The Mission Priority is the same for all units flying a mission (with the aircraft MD).
- b. The user is familiar with all MDs and can accurately estimate the amount of fuel each MD will use. Inherent in this fuel calculation is the assumption that the sortie duration will be the same for all units and that the maximum unrefueled sortie length is not exceeded.
- SCL priority is the same for all units flying the mission (with the aircraft MD).
- Each sortie expends all of its munitions.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAF by a MAJCOM via AFIRMS.

RELATED SCREENS:

Order Assignments Wing Flying Day Wing Operations Rates Wing Resource Summary

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- a. Mission Priority is a unit oriented priority and should be moved to Order Assignments.
- b. Fuel (gal.) should be removed as a usage input and calculated by the computer based on MDS, sortie duration, and mission. A screen will be needed to input and update this fuel usage table.
- c. Mission and MDS must be separate columns.
- d. An expenditure per sortie factor (EPSF) table must be added so the computer can compute the amount of munitions and aircraft tanks, racks, adapters, and pylons (TRAP) resources that are expended on each sortie. (The SCL is not completely expended on each sortie.)
- e. Aircraft and aircrew combat attrition rates (a function of mission, MDS, and time) should be added to this product. Other columns should be added for WMP combat attrition rates as a reference for the user (non-WMP rates may be used for "what-if" queries).

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SCREEN TITLE: ORDER ASSIGNMENTS



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SCREEN NUMBER: AF.TASK. .T

SCREEN PURPOSE:

Display the mission and sortie assignments of the tasked units.

USERS:

PRIMARY: CSS

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the CSS is reviewing the assigned mission and sortie tasking of the units tasked in USAFE's OPLAN/task.

CLASSIFICATION:

This product will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The WMP sortie data is a reference figure and is not a "do not exceed" limit.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAF by a MAJCOM via AFIRMS.

RELATED SCREENS:

War Mobilization Plan Wing Flying Day Wing Operations Rates Mission Profile Definition Aircraft Tasking

Mission Tasking
Mission & Aircraft Tasking Detail Summary
Munitions Tasking [Planned; not included]
Unit Tasking [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- a. Add a column for mission priority. It is presently on the Mission Profile Definition product and must be moved to this product because the mission priority is unit oriented.
- b. Add a column for Wing Priority within the order. This is needed for the instances when there is more than one wing or unit at a base. It is not unusual for a contingency OPlan to have a reconnaissance unit and a fighter unit at the same base. In addition, the base may also be an airlift base (e.g., Ramstein). This addition is also beneficial for the dollars to readiness "sortie buy back" methodology.
- c. Separate the Mission Type MD column into two columns: one for Mission Type and one for MDS.
- d. Add columns to allow for up to 4 unit MDSs.
- e. Add a column for Unit Employment Day. This will tell AFIRMS when the unit is available for tasking. (Some units have to deploy to be tasked.)
- Add a column for the base name where the unit will be tasked. (Not all units fight at home.)
- g. A column may need to be added to this product for Sortie Duration which is presently on the Wing Flying Day product. Sortie Duration normally varies for the different types of mission, e.g., an Interdiction mission is normally a longer mission than a Close Air Support mission.

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DRD #	54A	54E	24C	24X	56A	56E	56F	26M	59D	59E	59C	59K	59L	748
Element Name	Order Identifier	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Base Name - Unit Employment Location	Unit Employment Day	Total WMP Sorties Per Day	Task Period Start Day	Task Period End Day	Mission Type	Sortie Per Day	Mission Priority	Resource Type In Unit Of Order

PARAMETER SELECTION SCREEN

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SCREEN TITLE: WING FLYING DAY

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SSOCIAL DESCRIPTION OF THE PROPERTY OF THE PRO





SCREEN PURPOSE:

Display the unit aircrew flying operations planned for the tasked units.

USERS:

PRIMARY: CSS

SUPPOR TING: LRC, XOOIM

SCENARIO: (Reference baseline scenario.)

reviewing the planned or required flying operations for the unit aircrews tasked in USAFE's OPLAN/task. Having reviewed the aircraft and mission tasking, the CSS is

CLASSIFICATION

"what-if" exercises may be UNCLASSIFIED. Therefore, the This display will normally be classified SECRET. However, user building the task must set the classification.

ASSUMPTIONS:

- The WMP sortie duration is for reference use and is not a limiting item. ė
- Flying day start time is the first planned sortie departure time for the day. ف
- Shift start time is also the first planned sortie departure time. ပံ
- Aircrew shifts can overlap. ÷
- Planned MD is for out-year computations.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAF by a MAJCOM via AFIRMS.

RELATED SCREENS:

Mission & Aircraft Tasking Detail Summary Munition Tasking [Planned; not included] Unit Tasking [Planned; not included] Mission Profile Definition Wing Operations Rates War Mobilization Plan Order Assignments Aircraft Tasking Mission Tasking

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

- Change the Planned MD to Planned MDS.
 - Add a column for Planned PAA.
- Change the Current MD to Current MDS. ن غه
- Add a column for Planned Number of Aircrews. Add columns for out-year number of aircrews qualified in
- shift duration may be 16 hours but that cannot be maintained for a long period of time. Therefore, it would seem appropriate that for this product. For example, the aircrew "crew day" length or Analysis is needed to determine if time periods are also needed required weapons and/or missions e.g., AGM-65, Wild Weasel. a wing's flying day should also be variable by day.
- a unit will fly a longer sortie duration for an Interdiction mission than for a Close Air Support mission. Therefore, the Planned Sortie Duration may need to be moved to the Order Assignments The Sortie Duration may vary by type of mission. For example, product. ÷
- suggested in recommendation I above, then another product may be needed for the static data such as Planned and Current MDS, Planned PAA and Planned aircrews from this product as well as If analysis shows that this product does need time periods as Employment Day and Employment Location from the Order ż

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DRD	54A	24E	2 % C	54K	26A	216	563	N680	368	068	268	26K
Element Name	Order Identifier	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Unit WMP Sortie Duration	Unit Planned Sortie Duration	Fly Day Start Time	Fly Day Duration	Shift Aircrew Percentage	Shift Start Time	Shift Duration

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			36TFW	2	10	2	95	3
			401TFW	2	10	2	95	3
			48TF1	2	18	2	89	3
			SOTFW	2	10	2	95	3
			SZTFW	2	10	2	95	3
			81TFW	2	10	2	95	3
			86TFW	12	19	2	95	3
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			26TRW	2	19	1	95	3
			32TFS	[5]	10	1	95	3
			36TFW	5	10	1	95	3
			401TFW	2	10	1	98	2
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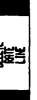


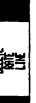






















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SCREEN TITLE: WING OPERATIONS RATES



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۲. SCREEN NUMBER: AF.TASK.

SCREEN PURPOSE:

Display the operation rates to be used by the tasked units in the OPLAN/task.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the Battle Staff is reviewing the operation rates and data planned for the units tasked in USAFE's OPORD/task.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS. This type of data is expected to be However, the user may modify it as needed for "what-if" maintained by the unit (turn time, maint attrition, etc.). queries

RELATED SCREENS:

Wing Flying Day Munition Tasking [Planned; not included] Unit Tasking [Planned; not included] Aircraft Tasking Mission Tasking Detail Summary Mission Profile Definition Mission Tasking Order Assignments

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- Delete Combat Attrition rate from here and move to the Mission Profile Definition product. ė
- Add aircraft Battle Damage Repair (BDR) rate. ف

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DRD #	54.A 54.K 59.B 59.D 59.F 59.F 59.1	
Element Name	Order Identifier Order Classification Tasked Unit Name Turn Time For Unit Order Period Start Day Maint Attrit Rate For Unit Order Aircraft Repair Rate For Unit Order Min Time Between Takeoffs For Unit Order Combat Attrition Rate For Unit Order	

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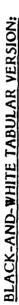
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RESUPPLY SCHEDULE UNCLASSIFIED

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						RIM-9P	1200
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						RIM-9P	400
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						181M-9P	400
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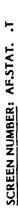


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SCREEN TITLE: RESUPPLY SCHEDULE



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SCREEN PURPOSE:

Display the resource resupply schedule planned for the units tasked in the USAFE OPLAN/task.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM

SCENARIO: (Reference baseline scenario.)

Having reviewed the various capability products, the CSS is reviewing the resupply schedule for the tasked units.

CLASSIFICATIONS

This display will normally be UNCLASSIFIED but may be classified SECRET for some theatre OPLAN resupply schedules.

ASSUMPTIONS:

- a. The fuel resupplied is the same type that is stocked at the unit's base.
- The unit is employed in-place.
- c. Munitions quantities are "whole up" rounds.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAF by a MAJCOM via AFIRMS. This type of data (dispensing theatre depot stocks to the units) is expected to be maintained by the MAJCOM for a particular OPLAN. It may also be maintained and used by the MAJCOM and the Air Staff to update unit resource inventories with planned out-year purchases for out-year Program Objective Memorandum (POM) assessments.

RELATED SCREENS:

Integrated Capability
Individual Resource Capability
Fuels Capability
Base Fuels Capability
Munitions Capability
Aircraft Capability [Planned; not included]
Aircrew Capability [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- Add a column for fuels type. Need to distinguish between the different grades of fuel being resupplied.
- b. Add a column for Unit Resupply Base (should equal the employment base). As currently designed, the quantity resupplied added to the unit's home base current amount which is alright if the unit is employed in-place.

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Element Name	Unit Name Owning Resource	Resource Name	Resource Resupply Label	Resource Resupply Day	Resource Resupply Quantity

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SCREEN TITLE: OPLAN/OPORD ASSOCIATIONS

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SCREEN NUMBER: AF.TASK. .T

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SCREEN PURPOSE:

Generation Model (SGM) and provide the means to associate different sets of tasking and resource data together for input to the SGM. This also facilitates "what-ifing" unit readiness/capability issues, e.g., unit tasking with a different Display the on-line runs already made with the Sortie distribution of resources.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM

SCENARIO: (Reference baseline scenario.)

The user wants to either (1) see what OPLAN/OPORD labels to products, (2) see what tasking and resource data sets were used for a specific run of the SGM, or (3) set up a run of the SGM. The model uses the OPLAN/OPORD Label from this product to use as parameter choices for the Tasking and Capability execute a model run.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE: The user.

RELATED SCREENS:

All of the products in this section and section 1.2.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, and 9-16.

RECOMMENDED CHANGES: None.

DRD #	54A 54Q	56D	6 크	130	56D	20H	24R
Element Name	Order Identifier SGM Days in Run	Unit Order Identifier (Asgn)	Lask Lype Set Identifier (Msn) Unit Operations Identifier	Resource Set Identifier	Unit Order Identifier (Fly)	Resource Resupply Identifier	SCM Remarks

PARAMETER SELECTION SCREEN:

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1.2 Review MAJCOM Resource Capability Products

The product screens in this section provide the HQ USAF user with the assessments of the MAJCOM's resources to support the tasking that was defined in the previous section.

SCREEN TITLE

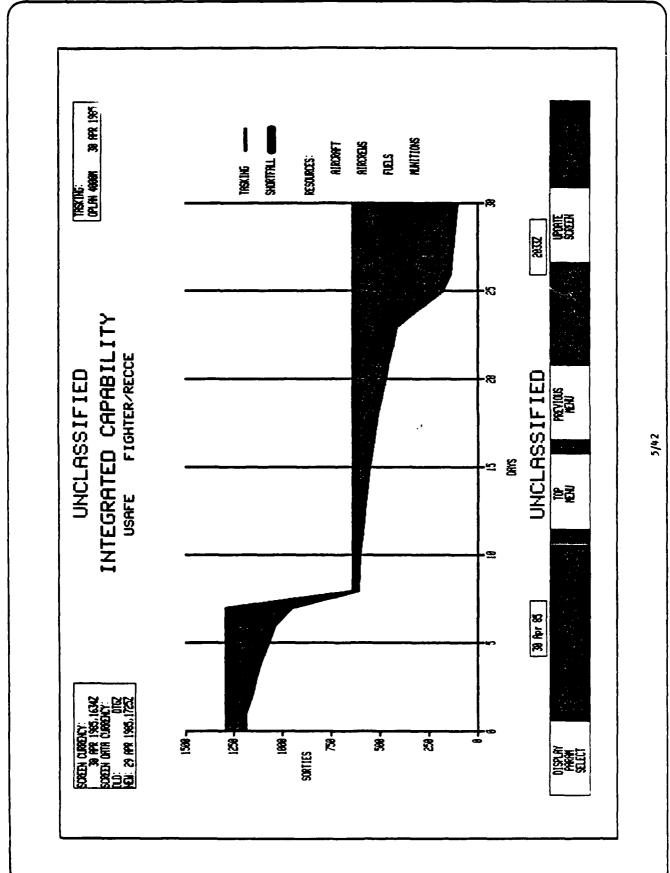
Integrated Capability
Individual Resource Capability
Aircraft Spares Support Capability
Fuels Capability
Base Fuel Capability
Munitions Capability
Base Fuels Capability
Base Fuels Capability
Base Fuels Capability
Base Fuels Capability
Munitions Shortfall Detail [Planned; not included]
Aircraft MICAP Forecasts [Planned; not included]
WSAF Munitions Inventory Detail [Planned; not included]
Base Munitions Capability [Planned; not included]
Aircrew Capability [Planned; not included]
Aircrew Capability [Planned; not included]
Maintenance Support Capability [Planned; not included]

The basic concept behind the capability screens in this section is that a capability can be computed only when there is a specific task to accomplish. Therefore, a basic assumption for reviewing these screens is that a task (with all the required task and resource parameters) has been entered. In addition, these screens are reviewed after a Sortie Generation Model, or SGM, has been executed to compute the capability assessments.

One of the main AFIRMS concepts is that the readiness or capability to do a task is determined unit by unit, then aggregated by task force or MAJCOM, and, finally, furthe and Air Force-wide, if necessary. Computing readiness assessments at unit level should provide more realistic assessments than those currently made with macro-level data (which inherently imply a perfect allocation and/or instantaneous redistribution of resources).

There are a number of interactions that can be done with the system. A very common interaction will be to make what-if queries and change the tasking data, the resource parameters, and/or the unit resource quantities. The point to remember is that modifying any of this data affects many products. For example, the sortie duration affects spares, fuels, and maintenance support. If it is changed after seeing the spares capability, the fuels and maintenance support capabilities would also be affected. Similarly, changing the sortie rate would affect all of the tasking and capability displays.





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SCREEN TITLE: INTEGRATED CAPABILITY

SCREEN NUMBER: AF.CAP. .G

SCREEN PURPOSE:

Display the aggregate tasking and the integrated capability of the resources to support the tasking.

USERS:

PRIMARY: CSS, LRC

SUPPORTING: XOOIM

SCENARIO: (Reference baseline scenario.)

After having assessed the size and shape of the task, the CSS and the LRC want to see the integrated ability of the USAFE fighter and recce unit resources to support their task.

CLASSIFICATION:

The normal classification is expected to be SECRET, though it could be TOP SECRET depending on the OPLAN/task's security instructions. However, if the task is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- a. The task data has been entered, units tasked, and the units possess or have been allocated resources.
- All assumptions applicable to the individual resource area assessments also apply to this display.
- The individual resources constrain one another, e.g., fuels and munition resources are not expended on sorties not flown because of a spares shortfall.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with other assessment systems such as CSMS and WSMIS.

RELATED SCREENS:

Individual Resource Capability
Aircraft Spares Support Capability
Munitions Capability
Fuels Capability
Aircrew Capability [Planned; not included]
TRAP Capability [Planned; not included]
Maintenance Support Capability [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Standard line graph

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

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RECOMMENDED CHANGES:

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DRD #	2	Y	HC	24A	54E	24C	54K	26A	56F	56 G	196
Element Name	Unit Mission	Aircraft Unit Name	Aircraft MDS	Order Identification	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Unit Employment Day	Unit Daily Sortie Task	Unit Daily Integrated Sortie Capability

PARAMETER SELECTION SCREEN:

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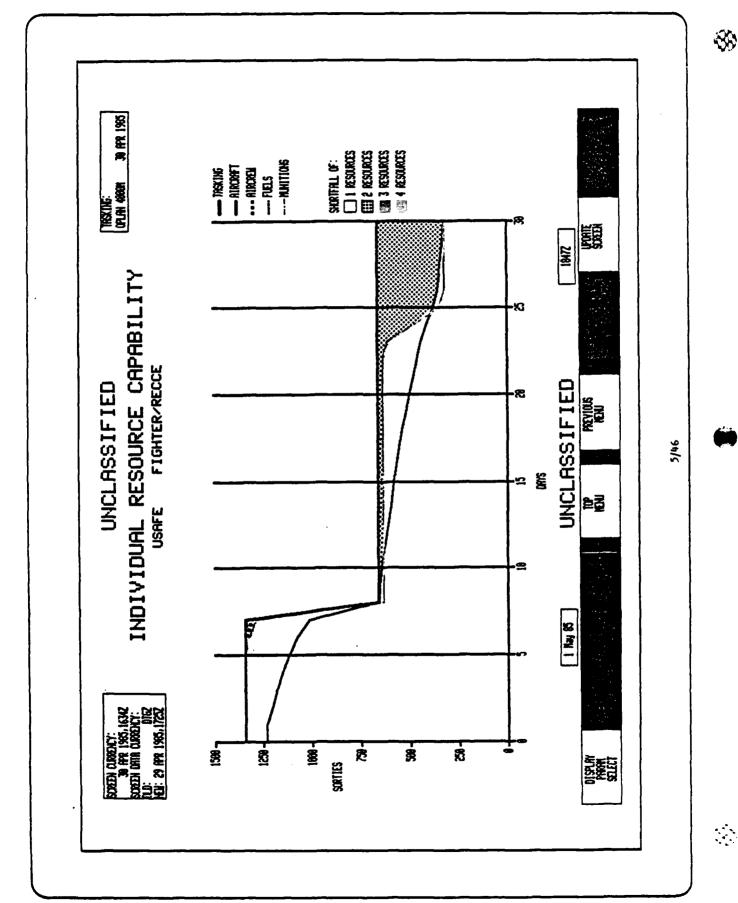


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SCREEN TITLE: INDIVIDUAL RESOURCE CAPABILITY

SCREEN NUMBER: AF.CAP. .G

SCREEN PURPOSE:

Display the aggregate tasking and the relative capability, in an overlay format, of individual resources to support the tasking.

USERS:

PRIMARY: CSS, LRC

SUPPORTING: XOOIM

SCENARIO: (Reference baseline scenario page.)

After seeing the integrated capability of the resources to support the OPLAN/task, the CSS or LRC now want to see the relative capability of the individual resources (think of each resource readiness line as an overlay). Also of interest is the point at which the resources become concurrent shortfalls, e.g., when 2 or more of the displayed resources are simultaneous limiting factors.

CLASSIFICATION:

The normal classification is expected to be SECRET, though it could be TOP SECRET depending on the OPLAN/task's security instructions. However, if this is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- a. The tasking data has been entered, units tasked, and the units possess or have been allocated resources.
- All assumptions applicable to the individual resource area assessments also apply to this assessment.
- c. The resource assessments can be computed in either of two modes: the resources constraining each other and unconstrained. This assessment was computed assuming that the resources, except for munitions, did constrain each other, e.g., fuels capability was computed assuming that munitions were not a limiting factor but aircraft and aircrews were limiting factors.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with other assessment systems such as CSMS and WSMIS.

RELATED SCREENS:

Integrated Capability
Aircraft Spares Support Capability
Munitions Capability
Fuels Capability
Aircrew Capability [Planned; not included]
TRAP Capability [Planned; not included]
Maintenance Support Capability [Planned;

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES: None

DATA ELEMENTS:

Element Name	DRD #	Element Name	DRD #
Unit Mission Aircraft Unit Name	I V	Unit Name Resource Type	73A 73C
Aircraft MDS	IIC Sua	Unit Daily Resource Sortie Capability	730
Order Date	54E		
Order Change Number	54G		
Order Classification	24K		
Unit Employment Day	56F		
Unit Daily Sortie Task	56G		

PARAMETER SELECTION SCREEN:

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TASKING, CHANGE 1 GFORD NNC, IN AUG 83 SHORTFALL RESUPPLY: YES SCALEN IS NO. 1 F/RF-4 STATUS: FMC F-111 A-10 F-15 F-16 MESL: FULL AIRCRAFT SPARES SUPPORT CAPABILITY EUROPEAN THEATRE: FIGHTER/RECCE FMC 20010 DAYS **CLASSIFICATION** CLASSIFICATION 5/50 19 AUG 83 BTG ICREBI BATA CURRENCY, BTG BTG SORTIES

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SCREEN TITLE: AIRCRAFT SPARES SUPPORT CAPABILITY

SCREEN NUMBER: AF.CAP. .G

SCREEN PURPOSE:

Display the aggregated aircraft spares capability, independent of other resource, to support the tasking for the aircraft selected.

USERS:

PRIMARY: CSS

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

The CSS has reviewed the tasking and the individual and integrated ability of the various resources to support the task. Some shortfalls were noted in the spares capability to support the task. The LRC and appropriate action officers are investigating the specific aircraft MD spares support.

CLASSIFICATION:

Normal classification is expected to be SECRET, though it could vary depending on the OPLAN/task's security instructions. Additionally, if this is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- a. The tasking data has been entered, units tasked, and the units possess or have been allocated resources.
- b. Aircraft capability assessment can use Fully Mission Capable (FMC) only or include Partially Mission Capable (PMC) depending on the parameter selected. The MESL for the appropriate theatre is used but may be modified if desired for what-if iterations.
 c. Standard unit DOC, OPLAN/OPORD, WMP sortie rates and duration (or objective sortie rates and duration (or objective sortie rates and duration) may be used for "what-if" tasks or resource usage.
 - d. Spares assessment has been computed by wing and aggregated.
- Maintenance can repair the aircraft if the parts are available.
 Spare parts demand rate progresses linearly with the sortie
- Spare parts demand rate progresses linearly with the sortie
 rate/flying hours. (This may overstate the spares need if the sortie
 rate used is higher than the peacetime utilization ("Ute") rate. It
 may also understate the actual need if the input sortie rate is less
 than the peacetime "Ute" rate.)

ASSUMPTIONS: (Cont.)

- g. Climate changes will have no effect on the Line Replaceable Unit/Shop Replaceable Unit failure rate (e.g., demand rate).

 h. Theatre demand rates for a spare (if available) may be used in lieu of
 - Theatre demand rates for a spare (if available) may be used in lieu of the Air Force-wide experience. (In fact, objective demand rates may be used for "what-if" queries.)
 - i. If assessments are made using data from CSMS and WSMIS, all assumptions applicable to those systems will also apply here.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with assessment systems such as CSMS and WSMIS.

RELATED SCREENS:

Integrated Capability Individual Resource Capability Aircraft MICAP Forecasts [Planned; not included] DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

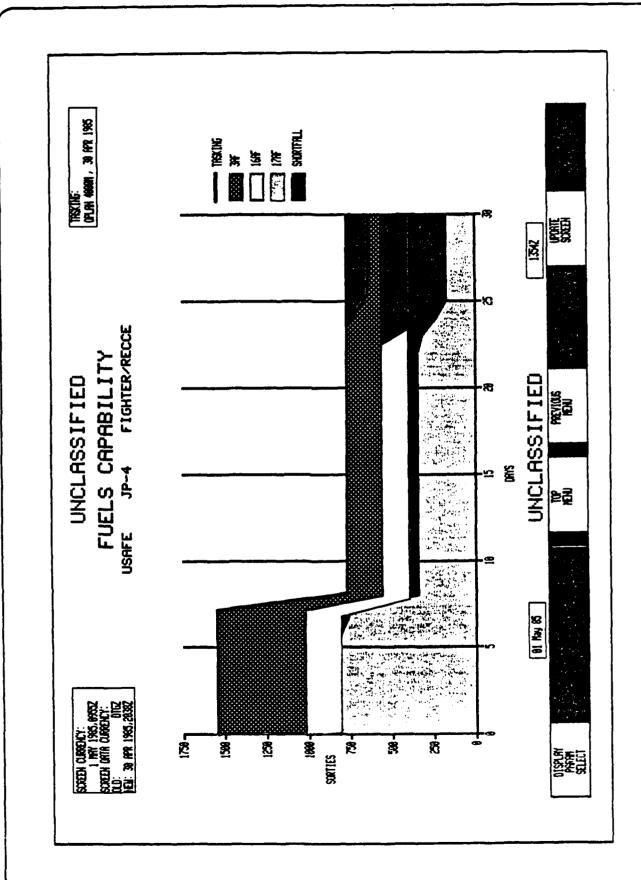
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: FUELS CAPABILITY

ې SCREEN NUMBER: AF.CAP

SCREEN PURPOSE

Display the aggregate fuels capability for a region or MAJCOM to support the region and/or theatre tasking.

USERS:

PRIMARY: CSS

SUPPORTING: LRC

SCENARIO: (Reference the baseline scenario.)

integrated ability of the various resources to support the task. investigating the specific resource areas. The fuels capability Some shortfalls were noted in the fuels capability to support is being reviewed to determine where the fuels shortfall(s) The CSS has reviewed the tasking and the individual and the task. The LRC and appropriate action officers are exist(s)

CLASSIFICATION:

Normal classification is expected to be SECRET though it can be as high as TOP SECRET depending on the OPLAN. If it is a "what-if" task it can be UNCLASSIFIED. The capability classification depends on the task's (a DOC, WMP, OPLAN, or what-if") classification.

ASSUMPTIONS:

- Theatre or region fuel receiving, storage, and transportation system (including Central European Pipeline System or CEPS) is not damaged. This may be modified for WHAT-IF queries. ė
- NATO Stage A cross-servicing and civilian fuel stocks are not considered. ئ
- Sortie duration and fuel consumption are specified by the tasking (e.g., OPLAN/OPORD, unit DOC, or WMP). ن
- Fuels assessments are made by base/wing and aggregated ť
- Aircraft air aborts and weather attrition factors are not considered. ن

DATA SOURCE

for non-ÚS bases. If an interface is developed with CFMS, the computed by the AFIRMS Sortie Generation Model. The fuels inventory data is input at the wing for US bases and MAJCOM Requirements section. The fuels capability assessment is The tasking data is computed as described in the Tasking inventory data could be obtained from CFMS.

RELATED SCREENS

Individual Resource Capability Integrated Capability Base Fuels Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys No. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGE:

The product must tell the user if resupply was used in the assessment computations.

DATA ELEMENTS:

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DRD #	IC	24A	54E	24C	24K	56F	73A	73C	730
Element Name	Unit Mission	Order Identification	Order Date	Order Change Number	Order Classification	Unit Employment Day	Unit Name for Tasked Unit	Resource Type Supporting Unit Task	Unit Daily Resource Sortie Capability

PARAMETER SELECTION SCREEN:

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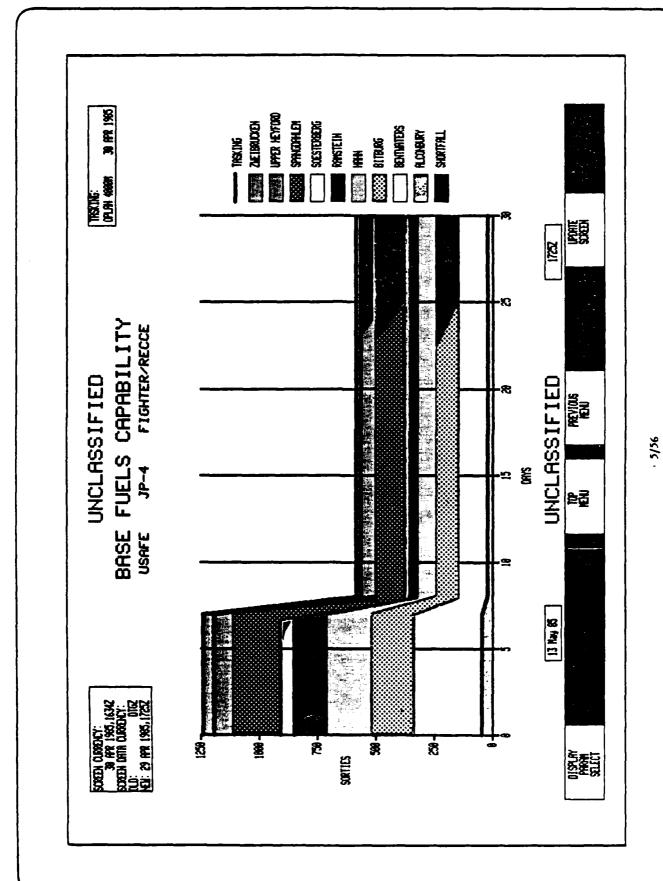
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SCREEN TITLE: BASE FUELS CAPABILITY

SCREEN NUMBER: AF. CAP. .G

SCREEN PURPOSE:

Display the aggregate fuels capability for multiple air bases over time and the ability of each air base fuels section to support the tasking.

USERS:

PRIMARY: CSS SUPPORTING: LRC, XOOIM

SCENARIO: (Reference baseline scenario.)

Having reviewed the region and/or theatre fuels capability assessment (with and without resupply), the CSS/LRC is reviewing the fuels capability of the air bases.

CLASSIFICATION:

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The tasking data has been entered, units tasked, and the units possess or have been allocated fuels resources.
- b. No damage to fuel transportation/receiving/storage capability including CEPS. This may be modified for "what-f" queries.
- NATO Stage A cross-servicing and civilian fuel stocks are not considered.
- d. Sortie duration and fuel consumption are specified by the tasking. These are changeable for "what-if" queries.
- Aircraft air aborts and weather attrition factors are not considered.

DATA SOURCE:

The tasking data is computed as described in the Tasking Requirements section. The fuels capability assessment is computed by the AFIRMS Sortie Generation Model. The fuels inventory data is input at the wing for US bases and at MAJCOM for non-US bases. If an interface is developed with CFMS, the inventory data could be obtained from CFMS.

RELATED SCREENS:

Fuel Capability
Base Fuels Capability Detail [Planned; not included]
Individual Resource Capability
Integrated Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

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Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES:

The product must tell the user whether fuels resupply is used in the capability assessment.

DATA ELEMENTS:

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Element Name	DRD
Unit Mission	10
Order Identifier	24A
Order Date	24E
Order Change Number	54C
Order Classification	24K
Base Name	56E
Unit Employment Day	56F
Unit Name For Tasked Unit	73A
Resource Type Supporting Unit Task	73C
Unit Daily Resource Sortie Capability	73D
PARAMETER SELECTION SCREEN:	

			
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2ND ARRAY OF PARAMETER SCREEN KEYS



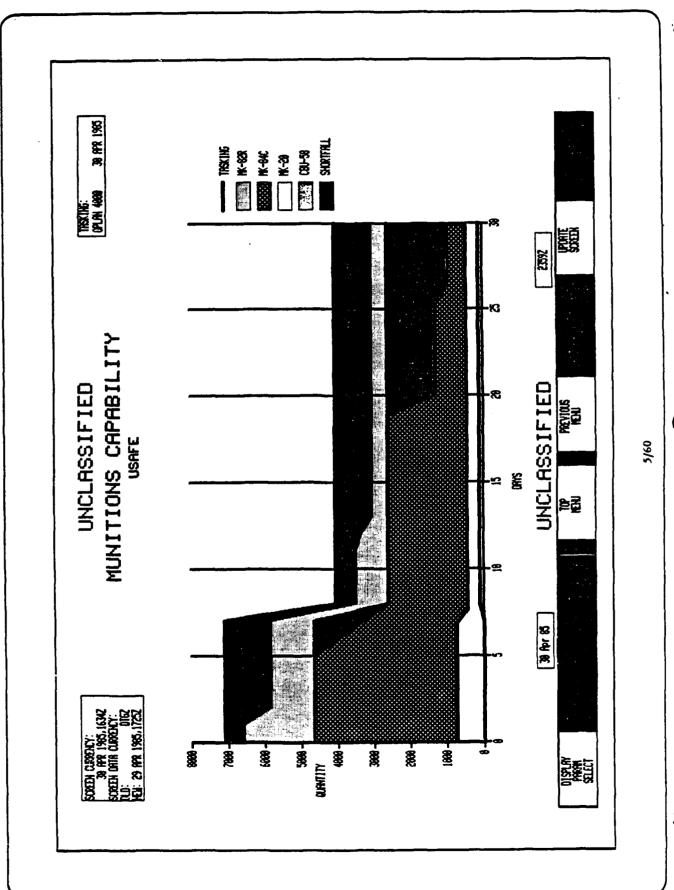


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SCREEN TITLE: MUNITIONS CAPABILITY

SCREEN NUMBER: AF.CAP. .G

SCREEN PURPOSE:

Display the aggregate tasking by munition type over time and the ability to fill that tasking.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM

SCENARIO: (Reference baseline scenario.)

Having reviewed the tasking and the Individual Resource and Integrated Capability, the CSS is reviewing the munitions capability to support the tasking. Of particular interest at the moment is the European theatre munitions capability of MK-20, MK-82, and CBU-58.

CLASSIFICATION:

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The munition build-up uses a standard dictionary with the operations staff deciding the priority of build.
- b. Other munitions can be substituted for the preferred munitions according to the substitution tree made by the operations staff. The system will automatically substitute munitions if more than one SCL is entered for a mission (see Mission Profile Definition product).
- Base-level munition capability is computed and aggregated to obtain the theatre's ability.
- d. Current base munitions inventories are used in this assessment.
- Munitions capability is not constrained by aircrew qualifications (that would be an aircrew shortfall).

DATA SOURCE:

The tasking is computed as described in the Tasking Requirements section. The munitions capability assessment is computed by the AFIRMS Sortie Generation Model. The base munitions inventory data is input at the base for US bases and at the MAJCOM for non-US bases. Distribution of theatre munition depot stocks is entered via the Resupply Schedule product. If an interface is developed with the Combat Ammunition System (CAS), the inventory data could then be obtained from CAS.

RELATED SCREENS:

Munitions Status

Individual Resource Capability
Integrated Capability
Mission Profile Definition
Resupply Schedule
Base Munitions Capability [Planned; not included]
Munitions Capability Detail [Planned; not included]
Munitions Shortfall Detail [Planned; not included]

DISPLAY SCREEN FEATURE: (See Product Display Screen Features, page 3-8)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES:

The product must tell the user whether munitions resupply or substitution is used in the capability assessment.

DATA ELEMENTS:

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DRD #	24 A SEE A S
Element Name	Order Identifier Order Date Order Change Number Order Classification Tasked Unit Name Tasked Unit Employment Day Resource Type Supporting Unit Task Unit Daily Resource Quantity Capable Unit Daily Resource Amount Tasked

PARAMETER SELECTION SCREEN:

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Ž	ENVIRONMENT: PEACE	PEACE	EXERCISE	CRISIS	S			PAGE 1 of 1	-	
لتا	1. ORDER IDENTIFICATION	NTIFICA	THON							
'	MUNITION TYPES MK-20 MK-82C MK-82R CBU-58	rypes					*	Write in a value,		
<u></u>	FORECAST PERIOD 30	PERIOD					<u> </u>			
<u>.</u>	MAJOR COMMAND USAFE	MAND					<u> </u>		<u> </u>	
	OPLAN 4000						}			
	DISPLAY PRODUCT				RETURN TO TOP MENU	RETURN PREVIOUS MENU	негь			Ŷ
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KEY # 9 10 11
2ND ARRAY OF PARAMETER SCREEN KEYS











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The product screens in this section support the Air Force Operations Center activities in monitoring the aggregate resource support capability of the wings/bases of the supported and supporting MAJCOMs during a contingency.

SCREEN TITLE

Resource Reallocation
Base Status Map
Fuel Status Map
Base Status (Output version)
Base Status (Input version)
Unit Status (Output version)

Unit Status (Input version)
Communication Support Status
Munitions Status
Wing Resource Summary
Attrition Trends
Base Fuels Status [Planned; not included]
Aircraft Spares Status [Planned; not included]
Maintenance Status [Planned; not included]
Aerial Port Status [Planned; not included]
Base Fuels Status Detail [Planned; not included]
Base Communications Status Detail [Planned; not included]

There is a hierarchy to the resource status screens in this section. The idea is to provide the status information at a high, summarized level and, then, if more detail is needed, to move down within the hierarchy to a lower level display containing increasing amounts of detail and covering a narrower focus. There will be about four display levels, with the lowest level containing detailed unit information including the commander's remarks.

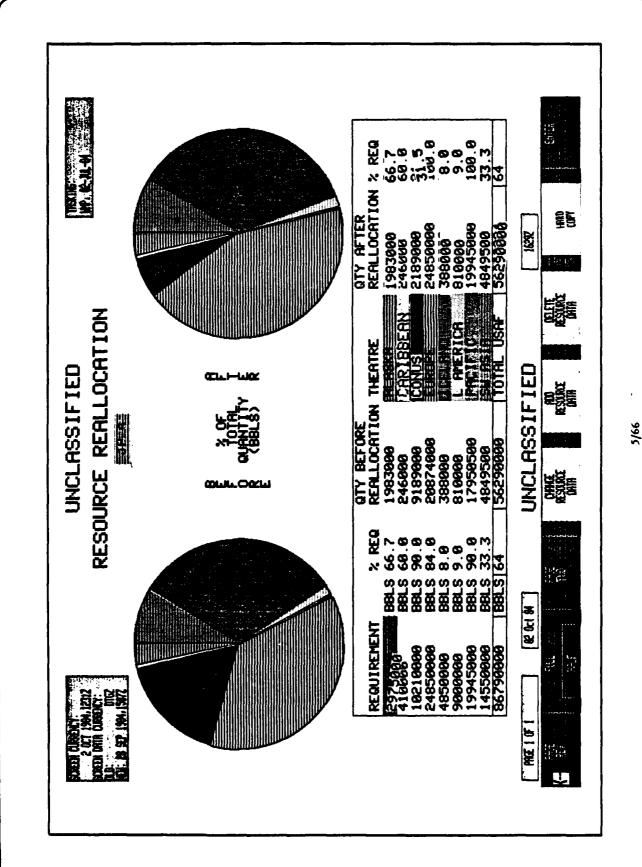
The basic concept of each screen is to highlight problem areas so the user/viewer can spot those quickly and then, if desired, scan the "good" areas.

User interaction will generally be of two types:

- Screen interrogation with the cursor, if more detail on a single base or unit is desired.
- Duplicating unit resource data (used in computing unit capability) and modifying it for what-if queries.

The latter interaction will affect the respective resource capability screens in the previous section, but will not affect the tasking screens.













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ů SCREEN NUMBER: AF.STAT.

SCREEN PURPOSE:

Display the distribution of resources before and after any reallocation among the theatres.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM, XOOOE

SCENARIO: (Reference baseline scenario.)

In this instance, the Commander in Chief U.S. Air Forces Europe (CINCUSAFE) has requested an emergency reallocation of JP-4 fuel to bring the theatre fuel stocks up to the full requirement. The CSS is evaluating the impact on other

CLASSIFICATION:

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- Fuels and munitions inventory data is available.
- Fuels and munitions requirements data is available. ځ
- Proposed reallocation data has been entered,

DATA SOURCE:

unit/base for US bases and by the MAJCOM for theatre stocks and non-U.S. bases. If interfaces are developed with CFMS, unit level and aggregated. It may also be input as a lump sum by the user. The resource inventory data is input by the The resource requirement/tasking is computed by AFIRMS at CAS, and WSMIS, the inventory data could be obtained from those systems.

RELATED SCREENS:

USAF Munitions Inventory Detail [Planned; not included] Fuels Status [Planned; not included] **Munitions Status**

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

Paging/Scrolling The pie chart (is special programming)

(The pie chart, "% REQ" percentages and "TOTAL USAF" totals are not database values but are computed by the program each time the product is displayed)

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 9-16.

RECOMMENDED CHANGES:

Change the theatre names to MAJCOM names.

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DATA ELEMENTS:	
Element Name	DRD #
Resource Unit of Measure	5E
Order Identifier	S4A
Order Date	54E
Order Change Number	54G
Order Classification	54K
Tasked Unit Name	56A
·	73L
Resource Current Amount	13H
Resource Reallocated Amount	13K

PARAMETER SELECTION SCREEN:

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EXERCISE	ATION				
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ENVIRONMENT:	1. ORDER IDI	2. RESOURCE JP-4		mmr	DISPLAY
	ENVIRONMENT: PEACE EXERCISE CRISIS PAGE 1 of 1	PEACE EXERCISE CRISIS ENTIFICATION	PEACE EXERCISE CRISIS ENTIFICATION Write	PEACE EXERCISE CRISIS ENTIFICATION Write in a value,	PEACE EXERCISE CRISIS ENTIFICATION Write in a value,

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2ND ARRAY OF PARAMETER SCREEN KEYS



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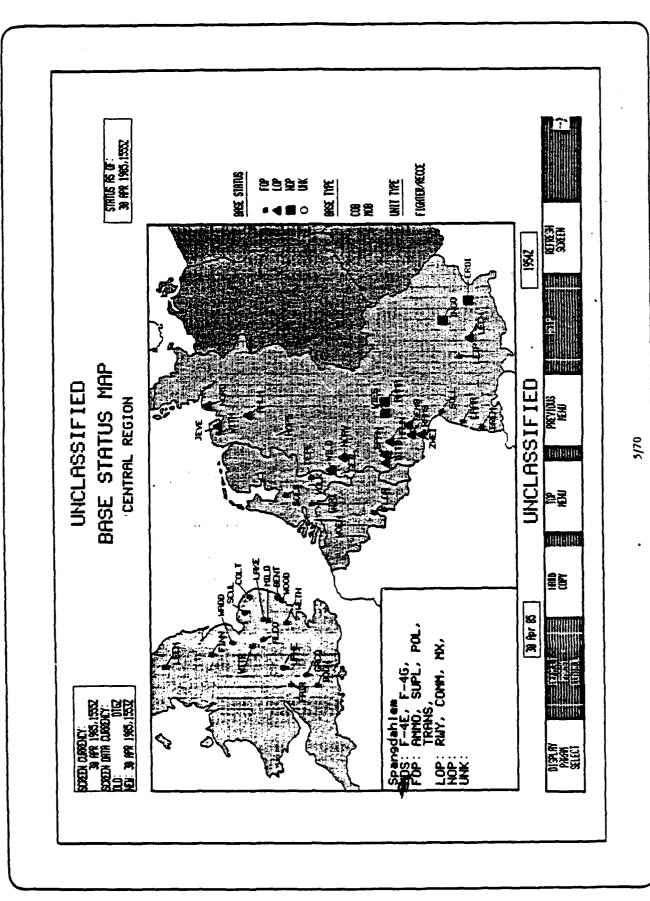




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SCREEN TITLE: STATUS MAP

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Ġ SCREEN NUMBER: AF.STAT.

SCREEN PURPOSE:

To provide a high level review of the operational status of bases or base resource areas with a geographical context. Limited detail pertaining to the status of any of the displayed bases is also available.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, PRC, XOOOE, XOOIM

SCENARIO: (Reference baseline scenario.)

Before reviewing the various base, unit, and/or resource status reports, the senior staff is reviewing the operational status of the U.S. fighter and reconnaissance MOBs and COBs in the Central Region.

CLASSIFICATION:

operational or when the unit's MDS and base location are SECRET when a base's operational status is not fully associated with a specific exercise or crisis scenario.

ASSUMPTIONS:

- AF-wide terms do not have to be used. (COB, FOP, LOP, NOP are unique to USAFE.) ė
- Base operational status criteria and definition do not have to be an AF-wide standard but they must be a MAJCOM-wide standard. ۵

DATA SOURCE:

CSS) to input the data when the normal method is not possible. backup method is for the USAFE CSS (or even the Air Staff The data is normally input on the Wing's AFIRMS and transmitted to USAFE's AFIRMS database. In due course, USAFE transmits it to the Air Staff AFIRMS database. A

RELATED SCREENS:

Base Status (Output) Unit Status (Output) Base Status (Input) Unit Status (Input)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.

Ability for the user to add and/or delete bases from the map Ability to interrogate base position for limited information Ability to toggle the base information box off

Data update notification

Z00m

Dynamic Legend

Dynamic base display (i.e., choice of base types is a parameter selection)

Base position color coded depending on the value of the base's operational status

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Key no. 1, 3, 4, 5, 6, 7, 17, and 18.

RECOMMENDED CHANGES:

- Include an automated way for the nontechnical user to add/delete bases to/from the map. ė
- Include a Captured category in the base operational status. ئد

DATA ELEMENTS:

Session releases assisted basedon assistant governord

DRD #	21	11	HC	53A	538	53C	53D	53H	533	96B	39C	
Element Name	Unit Mission	Unit Short Name	Aircraft MDS	Rase Name	Base Type	Base Geographical Area	Base Status	Base Status As Of DTG	Base Short Name	Resource Name	Resource Status	

PARAMETER SELECTION SCREEN:

			STATUS	MAP PAF	STATUS MAP PARAMETER SCREEN	EEN		
ENVIRONMENT:	PEACE	EXERCISE	CRISIS				PAGE 1 of 1	
1. GEOGRAPHIC REGION MAP CENTRAL REGION 2. BASE TYPE MOB 3. UNIT MISSION FIGHTER/RECCE [4.] RESOURCE AREA BASE	EOGRAPHIC REGION CENTRAL REGION ASE TYPE MOB NIT MISSION FIGHTER/RECCE ESOURCE AREA BASE	a ¥ X N				OSE QOESSENE	Choose a minimum of 1 value and a maximum of 1. BASE BASE COMMUNICATIONS FULES MAINTENANCE RUNWAY SUPPLY TRANSPORTATION	
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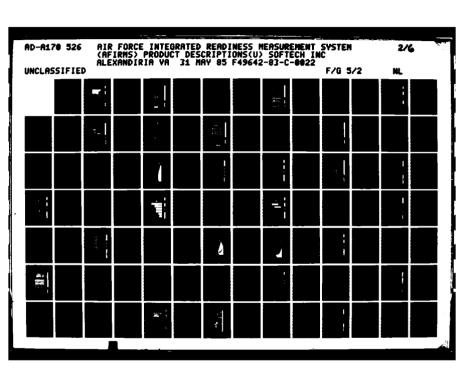


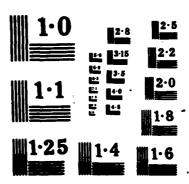


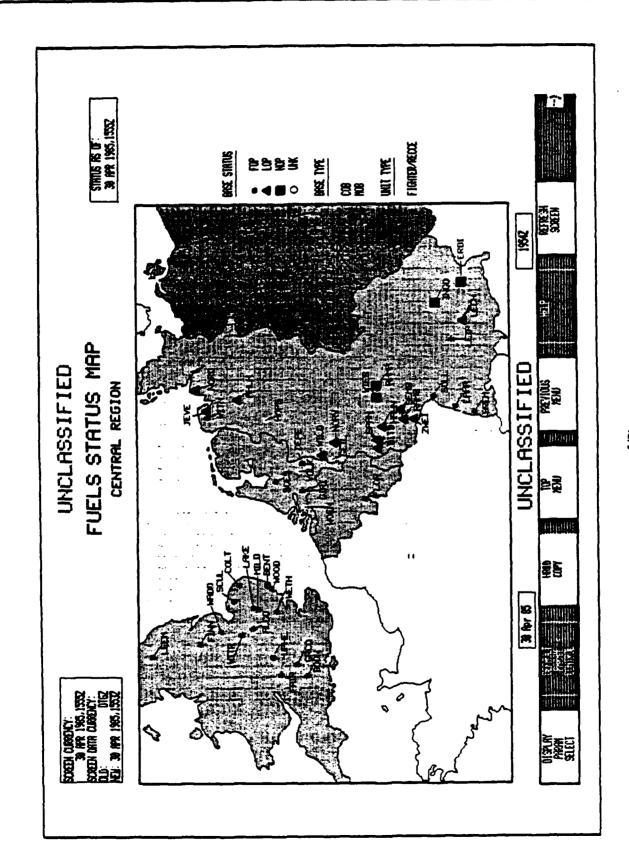
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Not applicable. See Base Status product.

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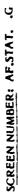






SCREEN TITLE: STATUS MAP (Fuels Variation)

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SCREEN PURPOSE:

Provide a reference of map of area bases color-coded to indicate the base fuels operational status.

SCENARIO:

After receiving the various base, unit, and/or resource status reports, the LRC is reviewing the base fuels operational status at the fighter and reconnaissance MOBs and COBs in Europe's Central Region.

PARAMETER SELECTION SCREEN:

Change the 4th parameter's choice to FUELS versus BASE.

STATUS AS OF: 30 APR 1965, 15162 ti Ti ·œŒZ SDa ŒEE 22161 COEE ALL BASE TYPES **63**> ATCK ИЯУ ЬЫЫ UNCLASSIFIED UNCLASSIFIED BASE STATUS UNKNOMN ALL MISSIONS 0610002 2008090 BASE CENTRAL 路 MIESBADEN HAHN NAME OF THE PROPERTY OF THE PR RAMSTEIN 38 for 85 AHLHORN BITBURG JEVER BASE ₹ % 5042) CLREDKY: 39 APR 1965, 15142 5042) Unit CLREDKY: 11.0: 611: 39 APR 1965, 15172 BASE STAT PE 104 불



SCREEN TITLE: BASE STATUS

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SCREEN NUMBER: AF.STAT. .G

SCREEN PURPOSE:

Display the base status, highlighted to quickly show problem bases/areas. The format is designed for use with a large screen video display.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, PRC, XOOIM, XOOOE

SCENARIO: (Reference baseline scenario)

After viewing the Base Status Map, the user desires more information on the bases in Europe.

CLASSIFICATION:

This product is UNCLASSIFIED when all bases are fully operational (FOP). When any base becomes limited or not operational (LOP or NOP), the product is SECRET.

ASSUMPTIONS:

- AF-wide terms do not hav to be used (e.g., COB, FOP, LOP, NOP are unique to USAFE).
- b. Theatre criteria exist (or will exist) to aid the wing commander in determining the operational status of each wing/base resource. The assessment is subjective.
- Graph of the control of

DATA SOURCE:

The bases report their status to the HQ USAFE OSC via AFIRMS which, in turn, accumulates the information and reports it to HQ USAF via AFIRMS.

RELATED SCREENS:

Status Map
Unit Status
Unit Status
Communication Status
Munitions Status [Planned; not included]
Fuels Status [Planned; not included]
Supply Status [Planned; not included]
Maintenance Status [Planned; not included]
Transportation Status [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Output screen only Paging/Scrolling Field coloring Data Change Indicator DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1,2,4-7,9-11 and 15.

RECOMMENDED CHANGES

- a. Unless the product is used for a large screen video, reduce the character size for the color terminal to a 2x2 pixel size.
- b. Add a column for aircraft MD (not MDS). (Analysis will determine if a second column is needed for bases with rnu tiple MD. U ing MD versus MDS will resolve some of that but not all.)
- c. For color terminals, use color codes instead of letters for resource operational status (right side).
- d. Delete Base ETIC column (or reduce ETIC to the day, e.g., 06 May).
- e. Include a Captured category in the base operational status.
- f. Include a legend either at the side or on the bottom.
- g. Add a data sort paramete⁻ so the user can view the data in the desired sorted sequence.

DATA ELEMENTS:

Element Name	DRD #	Element Name	DRD
Unit Mission	IC	Base Country Name	33K
Unit Name	<u></u>	Resource Name	96B
Base Name	53A	Resource Status	36C
Base Type	538		
Base Geographic Area	53C		
Base Operational Status	53D		
Base Attack Status	53E		
Base ETIC	53F		
Base Status As of DTG	S3H		

PARAMETER SELECTION SCREEN:

			BASE ST	BASE STATUS PARAMETER SCREEN	TER SCRE	N.		
ENVIRONMENT: PEACE	PEACE	EXERCISE	CRISIS	:			PAGE 1 of 3	
1. GEOCRAPHIC REGION CENTRAL 2. COUNTRY WAME ALL COUNTRIES 3. BASE TYPE ALL BASE TYPES 4. UNIT MISSION ALL MISSIONS 5. BASE ATTACK STATUS ALL EVENTS	IC REGIO TAME TRIES TYPES DN IONS CK STA1	Z. S.	.	BASE OPERATIONAL STATUS ALL STATUSES BASE NAME ALL BASES	TIONAL ST		Choose a minimum of 1 value and a maximum of 1. All Missions Artifit Bomber Fighter Recce Support Tanker	
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SCREEN TITLE: BASE STATUS (INPUT VERSION)

Ġ SCREEN NUMBER: AF.STAT.

SCREEN PURPOSE:

This version of the Base Status screen provides an input capability.

SCENARIO: (Reference baseline scenario)

AFIRMS Communication links are down between HQ USAFE and HQ USAF. The CSS has received the base status information via secure telephone other secure means.

DATA SOURCE:

The CSS is inputting the base status data into the data base.

DISPLAY SCREEN FEATURES: See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging and Scrolling Data Change Indicator

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, Page 3-9.)

Keys No. 1, 2, 4-7, and 9-16.

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Base Status Remarks

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NAME	MDS	Œ	POS	<u> </u>	CRE	BASE STATUS	BASE ETIC
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509TFS	A-10A	18	18	16	23	LNI	
SIBIFS	A-10A	18	12	6	14	BENT FOP	
5111FS	H-10H	18	18	16	23	BENT FOP	
92TFS	A-10A	81	12	11	15	ENT	
1TRS	RF-4C	18	22	22	22	BITB NOP	
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525TFS	F-15C	22	23	16	29	BITB NOP	Ţ
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SCREEN TITLE: UNIT STATUS

SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE:

Display operational status of unit aircraft and aircrews on a large screen video display.

SERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM, XOOOE, PRC

SCENARIO: (Reference baseline scenario.)

During the excitement and confusion of the initial stages of a conflict/crisis, it is difficult to keep an accurate "scorecard" of the deploying units to know "who's on first." The biggest need for such information is knowing what units are at particular locations that may need support and/or can be used. (A CONUS version would inform the CSS of what remains in CONUS needing support, or is usable following a mass deployment.)

CLASSIFICATION:

This product is classified SECRET (this is test data).

ASSUMPTIONS: None.

DATA SOURCE:

The units report their status to the HQ USAFE OSC via AFIRMS. USAFE, in turn, accumulates the information and reports it to HQ USAF via AFIRMS.

RELATED SCREENS:

Base Status Unit Status (Input)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Output screen only Paging/Scrolling Field coloring Data change indicator

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES:

- a. Unless the product is used for a large screen video, reduce the character size for the color terminal to a 2x2 pixel size.
- For color terminals, use color codes instead of a value for base status.
- c. Delete the Base ETIC.
- d. Delete Aircraft PAA.
- e. Add a data sort parameter so the user can view the data in the desired sorted sequence.
- f. Add a column for unit mission, i.e., air-air, air-ground.

DATA ELEMENTS:

DRD	33 33 33 33 33 33 33 33 33 33 33 33 33
Element Name	Aircraft MC Base Geographical Area Base Operational Status Base ETIC Base Short Name Base Country Name
DRD #	13A 13B 13C 131 131
Element Name	Unit Name Resource Designator (MDS) 13B Resource Authorized Amount (PAA) 13C Resource Current Amount (POS) 131 Base Name 139

PARAMETER SELECTION SCREEN:

AMETER SCREEN	PAGE 1 of 3	Write in a value, Choose a siniaum of 1 value and a maximum of 5. All MDS Aruift Bomber Fighter Recce Fighter Recce Support Tanker A-10 F-16 F-16 F-111	RETURN HELP
UNIT STATUS PARAMETER SCREEN	RISIS		RETURN TO TOP MENU
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405TMS	BGM-109	911	16	5		FLOR	604		
11TMS	18GM-189	116	16	14		GRCO	d0.41		
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	F-16B	2	ļ	0	9	HAHN	401		
313TFS	F-16A	25	23		28	HAHN	<u> </u>		
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496TFS	F-16A	25	23	F	29	HAHA	<u> </u>		
	F-16B	2	-	Ļ	8	HAHK	407		
492TFS	F-111F	24	24	16	30	LAKE	F0P		
493TFS	1111-1	18	181	12	23	LAKE	F0P		
4947FS	1111-1	24	24	16	30	LAKE	FOP		
495TFS	1111-11	12	15	8	10	LAKE	F0P		
92TFS	R-10A	18	9	9	6	TETP.	F0P		
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SECOND CONTROL CONTROL



SCREEN TITLE: UNIT STATUS (INPUT VERSION)

SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE

This version of the Unit Status screen provides an input capability.

SCENARIO

AFIRMS communications links are down between HQ USAFE and HQ USAF. The CSS has received the unit status information by secure telephone or other secure means.

DATA SOURCE:

The CSS inputs the unit status data into the data base.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

SCREEN CURRENCY: DYG SCREEN DATA CURRENCY: DYG DYG

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SCREEN TITLE: COMMUNICATIONS SUPPORT STATUS

Ġ SCREEN NUMBER: AF.STAT.

SCREEN PURPOSE

Present the status of base communications resources.

USERS:

PRIMARY: CSS

SUPPORTING: XOOIM, XOOOE

SCENARIO:

After viewing the Base Status product, the CSS communications representative wants to see more detailed information on communications in the Central Region.

CLASSIFICATIONS

This product is UNCLASSIFIED when all bases are fully operational (FOP). When any base becomes limited or not operational (LOP or NOP) the product is SECRET.

ASSUMPTIONS:

An overall communications status is assigned based on component statuses.

DATA SOURCES:

- The bases report their status to the HQ USAFE OSC via AFIRMS. USAFE, in turn, accumulates the informatio and reports it to HQ USAF via AFIRMS.
- AF-wide terms do not have to be used (e.g., FOP, LOP, NOP are unique to USAFE). ف

RELATED SCREENS

Base Status Status Map

Base Communication Status Detail [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Output screen only Paging/Scrolling Field coloring

Data change indicator

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-11.

RECOMMENDED CHANGES! None.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: MUNITIONS STATUS

SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE:

To display the inventory levels of various munitions at many bases or storage sites.

USERS:

PRIMARY: LRC

SUPPORTING: CSS, XOOIM, XOOOE

SCENARIO: (Reference baseline scenario.)

After reviewing the Base Status screen or Munitions Capability, the LRC is reviewing the status of munitions in the Central Region.

CLASSIFICATION

This is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCES:

The munitions data is input by the units into their AFIRMS and reported to USAFE. USAFE inputs the depot and residual munitions into their AFIRMS and rolls-up the data to HQ USAF. If an interface with CAS is developed, the data could be obtained from CAS. During Command Post Exercises (CPX), the USAFE LRC will probably enter all of the data into AFIRMS.

RELATED SCREENS:

Munitions Capability Resource Reallocation

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8)

Full screen editor

Paging and Scrolling (including horizontal paging)
Totals in special area at bottom of screen
Field coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES:

- a. Add columns for MK-82A (A = Airburst),
 MK-84A, and GBU-15 bombs,
 MJU-7 and M206 flares,
 MI29, RR119, RR156, RR141, and RR170 chaff.
- b. This color screen needs horizontal paging (or segmentation like the black and white version). With the additional columns just recommended, the product needs three pages or segments: (1) AlMs and AGMs; (2) Dispensers and bombs; and (3) Gun Ammo, flares, and chaff (to be added).
- c. After implementing the horizontal paging or sementation change, make the character size larger.
- d. It must be an input product.
- The non-technical user needs ability to add and delete columns/munitions as munitions enter or leave the inventory.
- Gun ammunition measurement must be change to "each" versus "x000."
- g. Need ability to input a management level for each munition and base that, when compared to the current quantity, will cause the field for the appropriate munition and base to color/highlight when the current quantity falls below the management level.
- h. Need field coloring when the munition quantity for a base falls below a preset management level.
- i. Add database label to subtitle, e.g., WINTEX.

DATA ELEMENTS:

COLUMN TOTAL COLUMN CONTRACTOR CONTRACTOR COLUMNS CONTRACTOR COLUMNS C

DRD #	13A 13B 13D 131 131
Element Name	Unit Name Owning Resource Resource Name Resource Set Label Resource Current Amount Base Name Resource Rolf-up DTG (for status as of)

PARAMETER SELECTION SCREEN:

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KEY 19 10 11
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SCREEN TITLE: WING RESOURCE SUMMARY

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SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE:

Display the rolled up unit resources after the resources are reported to HQ USAF by the MAJCOM, and/or before or after the Sortie Generation Model (SGM) has used the resources to compute unit readiness assessment.

USERS:

PRIMARY: CSS

JIM, XOOOE SUPPORTING: LRC SCENARIO: (Reference baseline scenario.)

Having reviewed the tasking and capability assessments, the CSS is reviewing the unit resources used in the assessments.

CLASSIFICATION

This display will normally be classified SECRET for real data. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the resource database must set the classification.

ASSUMPTIONS: None.

DATA SOURCES:

inputs the data for "what-it" queries and/or POM exercises; and (3) AFIRMS interfaces with other automated resource data systems such as CFMS and CAS for real/actual resource data (no exercise data). inputs real/actual resource data and transmits it to the MAJCOM which, in turn, inputs theatre depot resource data and rolls up unit and depot data to HQ USAF; (2) the HQ USAF user There are three sources for the resource data: (1) the unit

RELATED SCREENS:

Individual Resource Capability Base Fuels Capability Integrated Capability Munitions Capability Fuels Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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Element Name	Resource Set Identifier Unit Name Owning Resource Resource Authorized Amount (aircraft PAA)	Aircraft MC Aircrew MR Base Name	Resource Type Resource Current Amount Resource Rollup DTG

PARAMETER SELECTION SCREEN:

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BLACK-AND-WHITE TABULAR VERSION:

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STATUS AS OF: 8 MAY 1985,14092

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PROJECTED RATE 24 HRS STATUS AS OF: 15 AUG 83, 6682 INNIN ACTUAL RATE AIRCRAFT 334 PILOTS 226 SCREEN ID NO. : 96 TOTALS WSOs The state of the s 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 87062 ATTRITION TRENDS USAFE: FIGHTER/RECCE **CLASSIFICATION CLASSIFICATION** 2/100 DAYS 15 AUG 83 7 SCREEN CURRENCY:
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SCREEN DATA CURRENCY:
DTG
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SCREEN NUMBER: AF.STAT. .G

SCREEN PURPOSE:

Compare the actual attrition rate with the (WMP, OPLAN, etc.) projected attrition rate.

USERS:

PRIMARY: CSS

SUPPORTING: LRC, PRC, XOOIM, XOOOE

SCENARIO:

In any war, forces are attrited and must be replaced. If the rate at which attrition occurs can be anticipated, replacements can be built/trained/alerted/deployed to the theatre before the loss occurs to minimize any reduction in readiness.

CLASSIFICATION:

This product is classified SECRET.

ASSUMPTIONS: None.

DATA SOURCES:

The units report the actual data via AFIRMS to USAFE which in turn, reports it to HQ USAF. The USAFE CSS may also input the data from message traffic and intelligence reports.

RELATED SCREENS: None.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

A variation of the normal line graph screen.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGE:

Change the y-axis from a percentage rate to a quantity. It is too much to expect the number of sorties flown to be reported by all units in all scenarios (e.g., NATO). When the actual number falls above the expected number, color the difference in red. When the actual number is below the expected number, color the difference green.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

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The Air Staff support products included in this section support the Air Staff's activities during the phases of the Planning, Programming, and Budgeting System (PPBS). A major objective of AFIRMS is to provide a capability for the Air Staff to connect budget dollars to force readiness.

SCREEN TITLE

Mission Area Tasking

Dollars to Readiness - Comparisons (all Resources)
Dollars to Readiness - Resource Perspective Individual Resource Capability (POM Variation) Wing Resource Summary (POM Variation) Dollars to Readiness - Comparisons (Fuels) Munitions Substitution Sortie Requirement Munitions Substitution Sortie Capability Capability Perspective War Mobilization Plan (POM Variation) Resupply Schedule (POM Variation) Dollars to Readiness Associations Resource Unit Price **Process Status**

resource data with programmed unit resource increases/decreases, a programmed out-year readiness/capability can be projected with the tasking and capability products. Therefore, except for four assessment products in Section 1.2, will not be repeated in this section. As can be seen in the four screens that are included, only The screens in the previous section used current unit data to determine current unit readiness/capabilities. The unit data and unit readiness/capabilities needed to support the Air Staff in its PPBS activities are out-year data. By updating current unit the tasking name is different - the process is basically the same. screens, the tasking products in Section 1.1 and capability

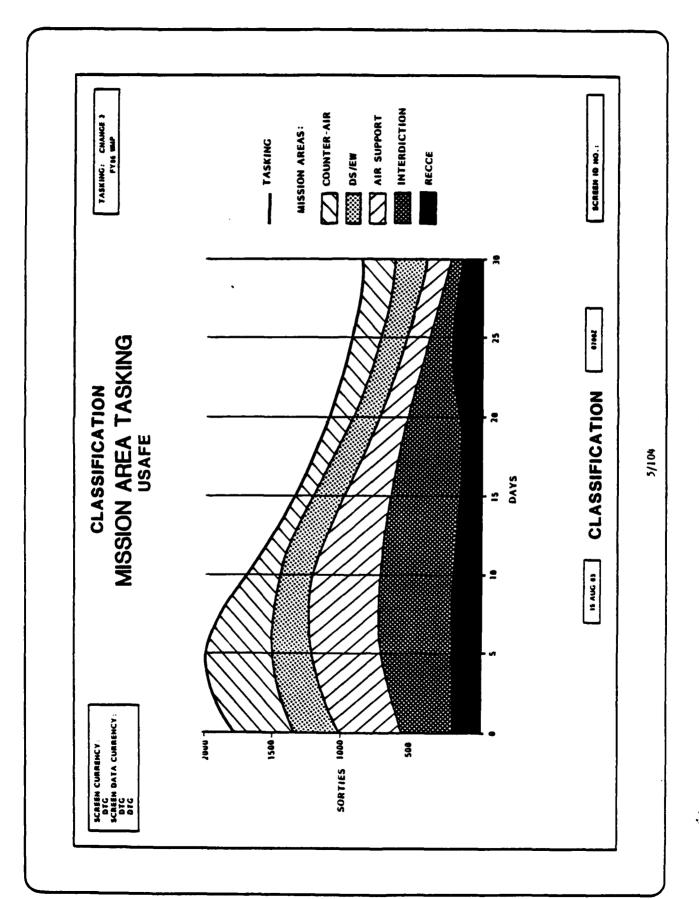
The updating of current unit resource data, mentioned above, to reflect the out-years will be performed in three steps:

- Process the resource programming plans (munitions, fuels, aircrew training, unit manning, etc.); <u>:</u>
- Allocate the programmed resources, both funded and planned, to the units level; and, 7
- Assess the impact on unit readiness. Iteration over these three steps to obtain an acceptable result will, presumably, be required. ۳,

Processing the resource programming plans entails converting current levels accordingly. This and the other two steps will need both real-world and what-if inputs from the users. out-year spending plans to resource counts and updating the

The need for AFIRMS to process historical data on past capabilities, tasks, and standards has been established. However, the methodology and ability of AFIRMS to normalize the past to the present (or vice versa) will be established during the Analysis Phase of the AFIRMS implementation.





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SCREEN TITLE: MISSION AREA TASKING

SCREEN NUMBER: AF.TASK. G.

SCREEN PURPOSE:

Display the distribution of sorties across multiple mission areas. This screen also demonstrates the application of other tasking screens from the Translates Tasking section (1.1) using the FY86 WMP as the task.

USERS:

PRIMARY: XOXIC

SUPPORTING: PRPF, XOXFM

SCENARIO:

In the PPBS planning phase, XOXIC is developing the tasking from the Air Force WMP for use in developing the resource requirements, e.g., munitions, TRAP, spares, support equipment, and manpower, etc. for the Air Force Program Objective Memorandum (POM).

CLASSIFICATION:

This product is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the HO USAF user building the task must set the classification.

ASSUMP FIONS:

- The out-year tasking data has been entered and units tasked.
- b. The sortie data will be WMP data.
- c. Input may be via tape, disk, or manual effort.

DATA SOURCES:

The mission data is computed from tasking data that a user has input and assigned to units. The mission data is then aggregated into mission areas for the POM. If an interface is developed with COMPES and XOXIC's Wartime Sortie and Flying Hour program, much of the tasking data can be obtained from them. If such an interface is not developed, the data is manually input by the users.

RELATED SCREENS:

Mission Tasking (Ref. Section 1.1)
Aircraft Tasking (Ref. Section 1.1)
War Mobilization Plan (Ref. Section 1.1)
Mission Profile Definition (Ref. Section 1.1)
Order Assignments (Ref. Section 1.1)
Wing Flying Day (Ref. Section 1.1)
Ming Operations Rates (Ref. Section 1.1)
Mission and Aircraft Tasking Detail Summary (Ref. Section 1.1)
Munitions Tasking [Planned; not included]
Fuels Tasking [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8).

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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JHM 9844	0	9	R-10	3	1.5
			R-7	3	1.5
			EF-111	2	2.5
				2	12.5
			F-15	3	1.3
			F-16	3	1.5
			F-4	3	1.3
			RF-4	2.6	1.5
FY86 UMP		55	A-10		1.5
			R-7	2	1.5
			EF-111	1.5	2.5
			F-111	1.5	2.5
			F-15	2	1.3
			F-16	2	1.5
			F-4	2	1.3
			RF-4	2	11.5
FY86 UMP	30	365	A-18		1.5
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SCREEN TITLE: WAR MOBILIZATION PLAN (POM Variation)

SCREEN NUMBER: AF.TASK. .T

SCREEN PURPOSE:

Display the War Mobilization Plan (WMP) Volume 5 planning factors for the FY86 POM.

ISFRS:

PRIMARY: XOXIC

SUPPORTING: XOXR (MAA), XOXFM, LEYS, LEYW, LEXX

SCENARIO:

XOXIC is reviewing the FY86 WMP planning factors used in building the FY86 POM.

CLASSIFICATIONS

Normally this screen will be classified SECRET. However, "what-if" versions may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTION:

The sortie rates and duration will be the same for all units with the same MDS.

DATA SOURCE:

The data for WMP will be input by XOXIC or obtained by interfaces to COMPES and/or XOXIC's Wartime Sortie and Flying Hour program.

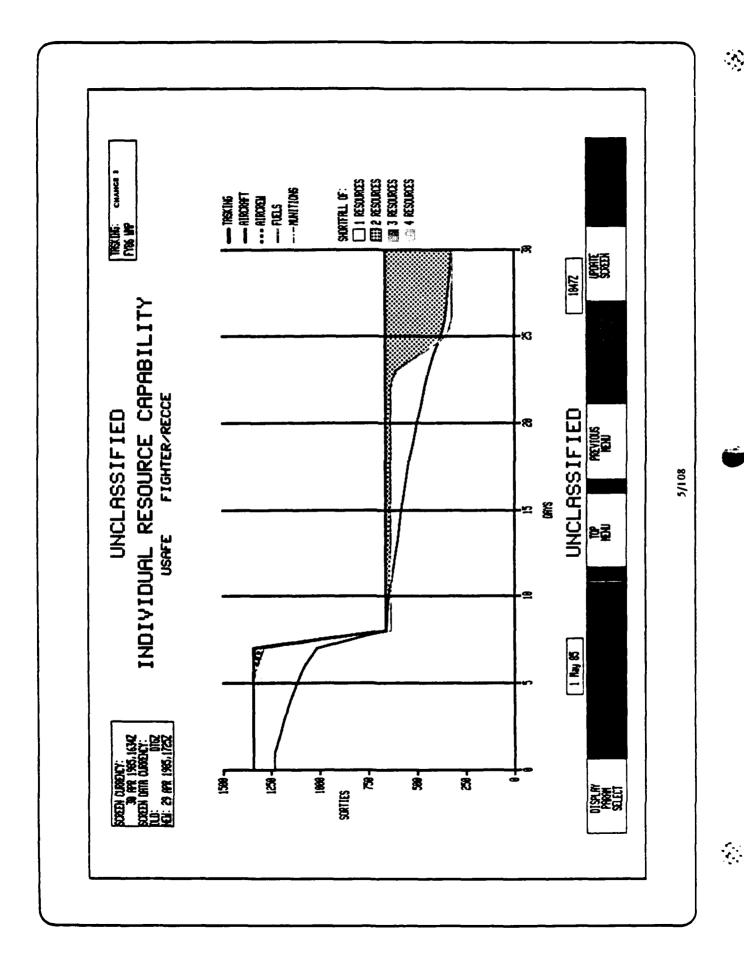
RELATED SCREENS:

Mission Area Tasking Order Assignments (Ref. Section 1.1) Wing Flying Day (Ref. Section 1.1)

RECOMMENDED CHANGE:

Use aircraft MDS versus MD.

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SCREEN TITLE: INDIVIDUAL RESOURCE CAPABILITY (POM VARIATION)

SCREEN NUMBER: AF.CAP. .G

SCREEN PURPOSE:

This screen variation demonstrates the out-year application of the Individual Resource Capability product and other capability assessment products in section 1.2 using the FY86 WMP (as the task) and programmed unit resource levels.

USERS:

PRIMARY: XOXIC, XOXR (MAA)

SUPPORTING: LEYS, LEYW, LEXX, LEXY, PRPF

SCENARIO:

In the PPBS Planning phase, XOX could use this product in its Mission Area Analysis to help identify (and rank in relative importance) factors limiting USAF capabilities. In the programming phase, XOO, XOX, LEY, LEX, and PRP could use this product to help build and maintain a balanced capability in the POM. These users might also use it in the budgeting phase to defend the budget and/or help decide where any funding decreases/increases should be used.

CLASSIFICATION:

This product is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Each individual resource's assessment is made without constraints by the other resources, e.g., the aircrew assessment was not constrained by a lack of spares or munitions.
- Assumptions applying to separate resource area assessments apply to this display as well.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Aircraft Spares Support Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)
Fuels Capability (Ref. Section 1.2)
Dollars To Readiness - Comparisons
Dollars To Readiness - Resource Perspective
Wing Resource Summary

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SCREEN TITLE: WING RESOURCE SUMMARY (POM Variation)

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SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE:

Display the out-year unit resources allocated by the MAJCOM before and/or after the Sortie Generation Model (SGM) has used for the POM. This product also demonstrates the application of other resource status products in Section 1.3 using programmed the resources to computer out-year unit readiness assessments unit resources.

USERS:

PRIMARY: LEYW, LEYS

SUPPORTING: XOXFM, XOXR (MAA)

SCENARIO:

In POM development or "what-if" exercises, this product would be used to investigate resource shortfalls or to build or modify a resource database for capability assessments or resource allocation iterations.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the resource database must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

resource data and projected resource gains, and rolls up the out-year unit data to HQ USAF; or, (1b) the MAJCOM updates a There are two sources for the out-year resource data: (1a) the existing out-year database with the resource program changes and rolls up the data to HQ USAF; and (2) the HQ USAF user inputs the data for "what-if" queries and/or POM exercises. MAJCOM uses current unit data, adds current theatre depot

RELATED SCREENS:

Fuels Capability (Ref. Section 1.2) Base Fuels Capability (Ref. Section 1.2) Munitions Capability (Ref. Section 1.2) Integrated Capability (Ref. Section 1.2) Resupply Schedule Munitions Status (Ref. Section 1.3) Individual Resource Capability

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FVRE DAM	32755	8			10000001	AIM-7L	500
						AIM-9L	1
FVRK POM	367FW	9			29999999	AIM-7L	1000
						AIM-9L	
FV86 PNM	3976	8			<u> 2888888 ATM-7E</u>	AIM-7E	7
	507F1				2000000	AIM-120A	1 0 0 0
						AIM-9L	1999
FV8K POM	1867FU	9			2000000	2000000 HIM-120A	1 000
						AIM-9L	1000

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SCREEN TITLE: RESUPPLY SCHEDULE (POM Variation)

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SCREEN NUMBER: AF.STAT. .T

SCREEN PURPOSE:

Display the out-year resource resupply schedule planned for the units in the POM.

USERS:

PRIMARY: LEYW, LEYS

SUPPORTING: XOXFM, XOXR (MAA)

SCENARIO:

Having made a capability assessment for the POM, the user now wants to selectively increase some of the resources at some of the USAFE units for a "what-if" exercise. A very good way to do that is to give the desired units a "resupply" of resources on Day 0.

CLASSIFICATION:

This display will normally be UNCLASSIFIED but may be classified SECRET for some POM theatre resupply schedules.

ASSUMPTIONS:

Munition quantities are "whole-up" rounds.

DATA SOURCE:

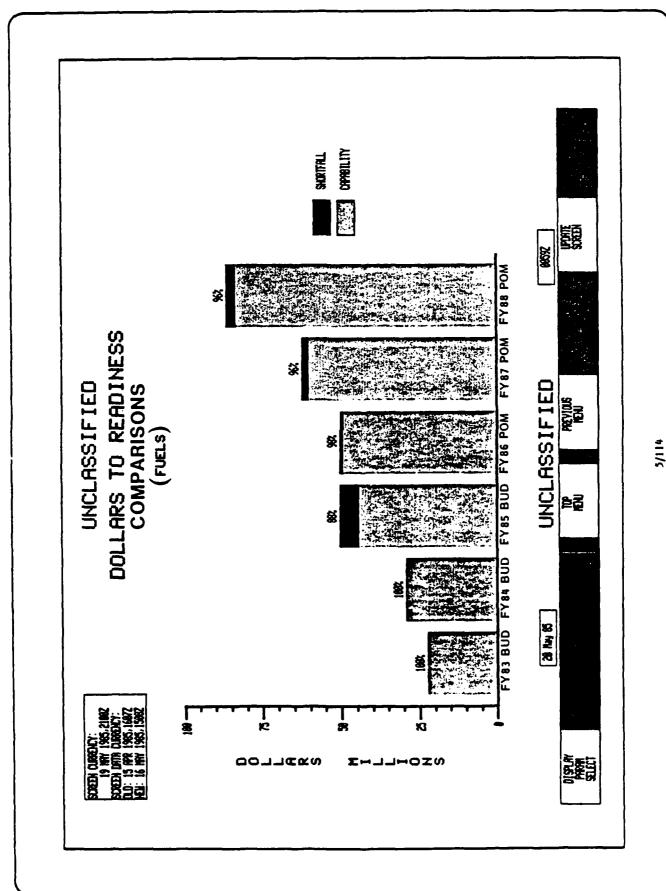
The data is input by the user or transmitted to HQ USAF by a MAJCOM via AFIRMS.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2) Individual Resource Capability Fuels Capability (Ref. Section 1.2) Base Fuels Capability (Ref. Section 1.2) Munitions Capability (Ref. Section 1.2)

RECOMMENDED CHANGES:

- a. Add a column for fuels type. Need to distinguish between the different grades of fuel being resupplied.
- b. Add a column for Unit Resupply Base (should equal the employment base). As currently designed, the quantity resupplied is added to the unit's home base current amount -- which is alright if the unit is employed in-place.





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SCREEN TITLE: DOLLARS TO READINESS - COMPARISONS

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ن SCREEN NUMBER: AF.DLR.

SCREEN PURPOSE:

single resource's tasking and capability for several tasks. The tasks may be WMP tasks for different fiscal years, different OPLANs, or different costing estimates of a single OPLAN. Display the projected dollar requirements and shortfall of a

USERS:

PRIMARY: LEYSF, LEYW

SUPPORTING: PRPR/F, LEXX, LEXY

SCENARIO:

reviewing the fuels program dollar shortfall to support the WMP tasking. In another situation, the fuels manager could be reviewing the fuels dollar shortfall for several different OPLANs. Alternately, the manager may be reviewing the effects of different price inflation possibilities on an OPLAN or The resource manager or program element monitor (PEM) is set of OPLANS.

CLASSIFICATION

This display will normally be UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE:

dollar costs of fuels (per gallon) is input by HQ USAF. AFIRMS then computes the dollar costs by multiplying the resource tasking and capability summary data times the appropriate unit price. The tasking and capability data is computed by AFIRMS. The

RELATED SCREENS:

Munitions Capability (Ref. Section 1.2) Fuels Capability (Ref. Section 1.2) Dollars to Readiness Associations Individual Resource Capability Resource Unit Price

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

- Add a parameter for Resource Type so this can also be used to display the dollar status of other resources. તં
- Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Add a parameter to write a free-form subtitle (see Associations product. ئ
- Combine this product with Dollars to Readiness Comparisons (All Resource Types) when the Resource Type parameter (mentioned in a. above) is added. ပံ

DATA ELEMENTS:

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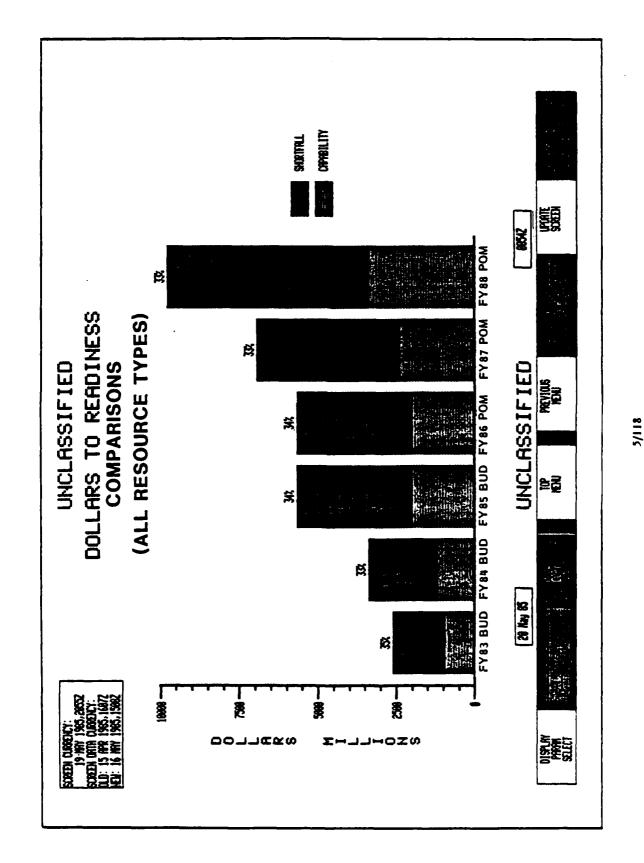


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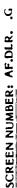
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SCREEN PURPOSE:

Display the projected total integrated capability shortfall of all resources in dollars for several tasks. The tasks may be WMP tasks for different POMs, different OPLANs, or different costing estimates of a single OPLAN.

USERS:

PRIMARY: PRPR/F, XOXR (MAA)

SUPPORTING: LEYSF, LEYW, LEXX, LEXY, XOOIM

SCENARIO:

The resource managers or PEMs are reviewing the total resource program dollar shortfall to support the POM (or OPLAN tasks) with past budget capabilities for budget trends and/or POM "bow waves."

CLASSIFICATION:

This display will normally be UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE:

The tasking and capability data is computed by AFIRMS. The dollar costs of the resources are input by HQ USAF. AFIRMS then computes the dollar costs using the tasking and capability

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2) Resource Unit Price Dollars to Readiness Associations DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28

RECOMMENDED CHANGES:

- Add a parameter for Resource Type so this can also be used to display the dollar status of individual resources.
- b. Combine this with Dollars to Readiness Comparisons (Fuels) when the Resource Type parameter is added.
- c. Add a parameter to write a free-form subtitle (see Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Associations product.



PARAMETER SELECTION SCREEN:

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DOLLARS TO READINESS - COMPARISONS

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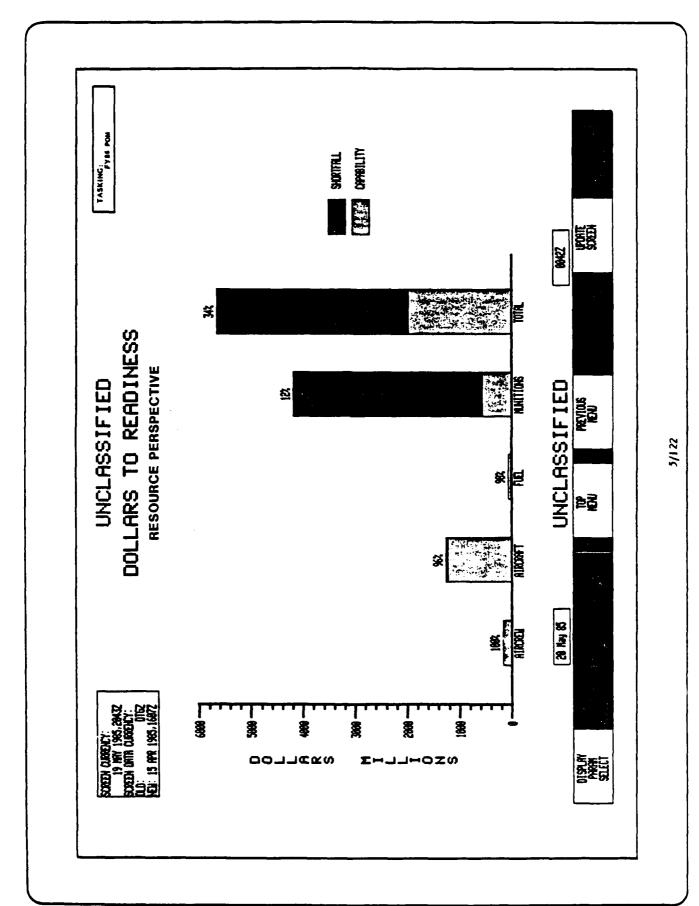




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SCREEN TITLE: DOLLARS TO READINESS - RESOURCE PERSPECTIVE

SCREEN NUMBER: AF.DLR. .G.

SCREEN PURPOSE:

Display the projected capability shortfall of several resources in dollars for a single task (the task may be a WMP task for a fiscal year or an OPLAN task).

USERS:

PRIMARY: LEYSF, LEYW

SUPPORTING: PRPR/F, LEXX, LEYX

SCENARIO:

The resource managers or PEMs are reviewing the resource programs dollar shortfall, individually and collectively, to support the POM (or OPLAN) planning exercises. Depending on the size of the shortfalls, decisions may be made on how much additional funding for each resource will best improve readiness with the funds available.

CLASSIFICATION:

This product will normally be UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE:

The tasking and capability data is computed by AFIRMS. The dollar costs of the resources are input by HQ USAF. AFIRMS then computes the dollar costs by multiplying the resource tasking and capability summary data times the appropriate unit price.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Individual Resource Capability
Resource Unit Price
Dollars to Readiness Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28

RECOMMENDED CHANGES:

- Add a parameter to write a free-form subtitle (see Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Associations product.
- b. Add a tasking box in upper right corner of display. A task capability (WMP or OPLAN) is represented by the dollar requirements and shortfalls. The tasking displayed is that which is costed for this display.

DATA ELEMENTS:

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This version will be furnished during the Analysis Phase of AFIRMS implementation.

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		EF-111	16999	
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SCREEN TITLE: RESOURCE UNIT PRICE

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SCREEN NUMBER: AF.DLR. .T

SCREEN PURPOSE:

Display the unit prices used in the Price Run Label for the Pollars To Readiness Model. The product is also an input screen for unit price data.

USERS:

PRIMARY: LEYSF, LEYW

SUPPORTING: PRPR/F

SCENARIO:

The user is reviewing or entering the unit prices for the resources in this database set to accommodate his particular budgetary review needs. The user may change the prices or create a new set of prices for the resources.

CLASSIFICATION:

This display is UNCLASSIFIED.

ASSUMPTIGNS: None.

DATA SOURCE:

The HQ USAF user can obtain the data from published Air Force documents or from the Air Force Comptroller. Once entered, the data can be used over and over.

RELATED SCREENS:

Dollars to Readiness - Comparisons (All Resource Types) Dollars To Readiness - Resource Perspective Dollars To Readiness - Comparisons (Fuels) Dollars to Readiness Associations DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

DRD #	5A 138 130 130	1388
Element Name	Resource Type Resource Name Resource Set Identifier Resource Remarks	Resource Unit Price

PARAMETER SELECTION SCREEN:

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	PAGE 1 of 1	Choose a minimum of 1 value and a maximum of 3. ALL TYPES AIRCRAFT AIRCREW FUEL MUNITION		
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SCREEN TITLE: DOLLARS TO READINESS ASSOCIATIONS

SCREEN NUMBER: AF.DLR.

SCREEN PURPOSE:

associate different sets of Sortie Generation Model tasking and capability data with different sets of resource unit pricing data for input to the Dollars to Readiness Model. This also facilitates "what-ifing" dollars to readiness issues, e.g., this year's task with last year's prices. Display the on-line runs already made with the Dollars to Readiness Model and provide the means for the user to

PRIMARY: LEYSF, LEYW

SUPPORTING: PRPR/F, LEXX, LEXY

SCENARIO:

parameter choices for the Dollars to Readiness products, (2) see what OPLAN/POM tasking and/or resource unit price data sets were used for a particular run of the Dollars to Readiness The user wants to either (1) see what Price Run Labels to use as The model uses the Dollars to Readiness Associations Price Run Model, or (3) set up a run for the Dollars to Readiness Model. Label to execute a model run.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE: The user.

RELATED SCREENS:

Dollars to Readiness - Comparisons (All Resource Types) Dollars to Readiness - Comparisons (Fuels)

Dollars to Readiness - Resource Perspective

Dollars to Readiness Model Resource Unit Price OPLAN/OPORD Associations (Ref. Section 1.1)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and Scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

Add a column for the number of days of OPLAN/OPORD data wanted for use in the Dollars To Readiness Model and products. Dollars To Readiness products will not always want the full 60 If a SGM run has computed 60 days of a task, the users of

DATA ELEMENTS:

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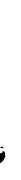
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SCREEN TITLE: MUNITIONS SUBSTITUTION SORTIE REQUIREMENT

SCREEN NUMBER: AF.POM. .G

SCREEN PURPOSE:

Display the sortie requirement to maintain the probability of target kill with substitute munitions.

USERS:

PRIMARY: XOXFM, XOXR (MAA)

SUPPORTING: LEYW, LEXX, PRPF

SCENARIO:

The Air Force FY86-90 POM is being reviewed by OSD. During the review, some substitute alternatives to the Air Force munitions program were proposed. The munitions PEM is determining the sortie impact if the desired target kill effectiveness of the preferred munition is maintained.

CLASSIFICATION:

This product is normally classified SECRET. However, "what-if" exercises will probably be UNCLASSIFIED. Therefore, the user building the tasking must set the classification.

ASSUMPTIONS:

- a. In-theatre munitions have been allocated to the units.
- b. Availability of munitions is not limited by the ability to build up munitions.
- WMP tasking, target information, and munition data have been entered.
- Reference assumptions in Munitions Capability (Section 1.2).
- e. XOXFM has loaded data on equivalent sortie effectiveness for the substitute munition Standard Conventional Loads (SCL).

DATA SOURCES:

The tasking is computed as described in the Translate Tasking section. The munitions capability is computed by the AFIRMS Sortie Generation Model. The munitions inventory for the appropriate out-year is allocated by the MAJCOM. XOXFM, or USAFE (in this instance) has established SCL equivalency data for the substitute SCLs.

RELATED SCREENS:

Munitions Capability (Ref. Section 1.2)
Munitions Substitution Sortie Capability
War Mobilization Plan
Mission Profile Definition (Ref. Section 1.1)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Two tasking lines plotted. Otherwise, standard line graph display.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. I and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

PRIMARY MUNITION CAPABILITY AIRCRAFT SPARES CAPABILITY TASKING: FYSE WAP REQUIRED SORTIE TASKING W/SUBSTITUTE MUNITION SCREEN ID NO.: MAX AIRCRAFT SORTIES MAINTENANCE SUPPORT SUBSTITUTE MUNITION AIRCREW CAPABILITY SORTIE TASKING W/ PRIMARY MUNITION FUELS CAPABILITY MUNITIONS SUBSTITUTION 79010 SORTIE CAPABILITY **CLASSIFICATION** CLASSIFICATION USAFE: FY 86 20 MAY 83 DAYS SCREEN CURRENCY: DTG SCREEN DATA CURRENCY: DTG DTG 1000 3000 **7000** 1500 - 005 2500 -









SCREEN TITLE: MUNITIONS SUBSTITUTION SORTIE CAPABILITY

SCREEN NUMBER: AF.POM. .G

SCREEN PURPOSE:

Display the capability of the individual resources to support the sorties required to maintain the target kill effectiveness of the preferred munition(s).

USERS:

PRIMARY: XOXFM, XOXR (MAA)

SUPPORTING: PRPF, LEYW, LEXX

SCENARIO:

The Air Force FY86-90 POM is being reviewed by OSD. Some substitute munitions are proposed as alternatives to the Air Force munitions program. In order to determine the complete cost of the substitute munition(s) proposed, the Air Staff is determining the capability of other Air Force resources to support the substitution sortie requirement. (The same process could also be done to defend the program before Congress.)

CLASSIFICATION:

The expected classification is SECRET. However, "what-if" exercises will be UNCLASSIFIED. Therefore, the user building the tasking must set the classification.

ASSUMPTIONS:

- The munitions substitution sortie requirement has been determined. (Ref. Munitions Substitution Sortie Requirement)
 - All assumptions applying to the individual resource capabilities also apply.
- c. The maximum aircraft sortie generation is a function of time (e.g., 24 hours divided by (sortie duration plus aircraft turnaround time) g 'es the maximum number of sorties an aircraft can fly in one day).

DATA SOURCES:

The tasking is the output of the Munitions Substitution Sortie Requirement product. The resource capabilities are computed by the AFIRMS Sortie Generation Model. The munitions inventory for the appropriate out-year was allocated by the MAJCOM.

RELATED SCREENS:

Munition Substitution Sortie Requirement

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This product does not color the shortfall.
There are two tasking lines plotted on this product.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

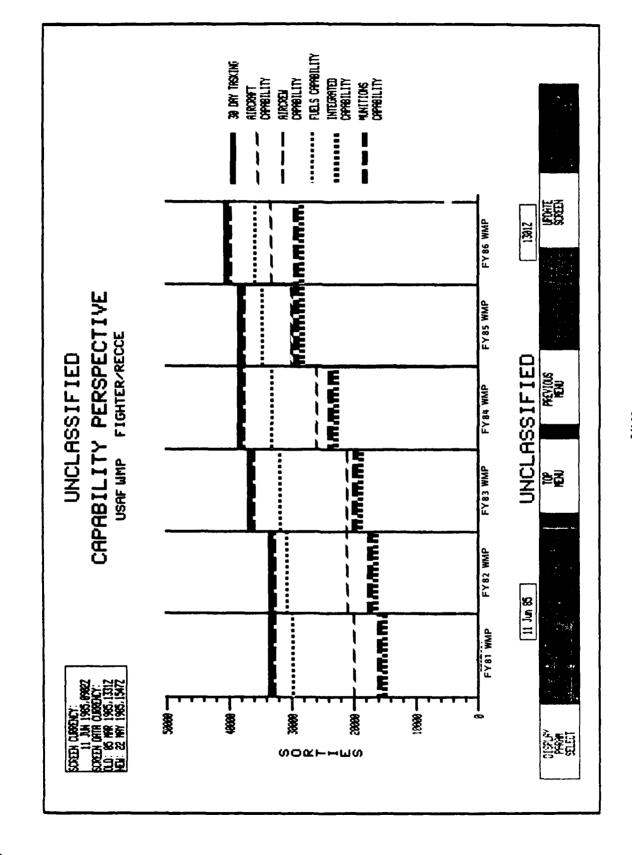
PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: CAPABILITY PERSPECTIVE

Ů. SCREEN NUMBER: AF.CAP.

SCREEN PURPOSES:

Display past, current, and/or projected capabilities of Air Force individual resources.

PRIMARY: XOOIM

SUPPORTING: XOXR (MAA), XOOIR, LERX, LEXX, LEYS, LEYS, PRP

SCENARIO:

obtain a better perspective on our current and very near future capability to do the task. The genesis for the required look back could also be from outside the Air Force or DoD, e.g., Congress, GAO. A look back at historical readiness/capability is needed to

CLASSIFICATION: The expected classification is SECRET.

ASSUMPTIONS:

- The total Air Force capability is an aggregation of unit and MAJCOM capability. ė
 - Assumptions that apply to the individual resource capability assessments also apply here. ف
- A year-end capability is run for each year and the computed data stored for retrieval. ن

DATA SOURCES:

The unit capabilities are computed for AFIRMS and aggregated capabilities are expected to be stored at the wing or MAJCOM capabilities are expected to be computed at the MAJCOM and transmitted to HQ USAF via AFIRMS. and transmitted to HQ USAF when needed. Out-year Unit upward to HQ USAF for the current year. Historical unit

RELATED SCREENS:

Individual Resource Capability (Ref. Section 1.2) Fuels Capability (Ref. Section 1.2) Integrated Capability (Ref. Section 1.2) Munitions Capability (Ref. Section 1.2)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Variation of stacked bar display Dynamic legend Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

Add a parameter to allow selection of the resources desired. It is not necessary to display all resources when only one resource is desired.

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Element Name	Unit Name	Unit Short Name	Order Identifier	Order Date	Order Change Number	Order Classification	Unit Daily Sortie Task	Unit Daily Integrated Sortie Capability	Resource Type Supporting Unit Task	Unit Daily Resource Sortie Capability

PARAMETER SELECTION SCREEN:

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This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN NUMBER: AF.SPT. .T

SCREEN PURPOSE:

Display the job status of the AFIRMS functions requested, i.e., the Sortie Generation Model, Dollars To Readiness Model, Post Base Status Rollup, Post Unit Status Rollup, and Post Resource

USERS:

PRIMARY: CSS

SUPPORTING: LRC, XOOIM, XOOOE

SCENAR10:

The user has executed one of the models or has executed a function to update the database with MAJCOM rollup data. After initiating the batch job, the user is periodically monitoring the completion of the job.

CLASSIFICATION:

This display is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The AFIRMS system provides the data.

RELATED SCREENS:

OPLAN/OPORD Associations Dollars to Readiness Associations DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES:

- A function needed with this screen is the ability to cancel/kill a job request.
- b. Delete the Operating Site parameter.

DATA ELEMENTS:

Element Name

DRD #

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User Name
Operating Site Name
Terminal 1D
Transaction ID
Function Name
Association Label
Job Start DTG
Job Finish DTG
Job Run Status
Job Status Completion Code
Error Message

PARAMETER SELECTION SCREEN:

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SAMPLES ASSESSED AMERICAN PRODUCTION SAMPLES



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Aircraft Tasking	AF.TASK.	j.	9/9
Attrition Trends	AF.STAT.	5.	2/100
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Base Status (Input Version)	AF.STAT.	۲.	5/80
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Dollars-to-Readiness: Comparisons (All Resources)	AF.DLR.	ō.	5/118
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Mission Profile Definition	AF.TASK.	Ε.	5/16
Mission Tasking	AF.TASK.	ō.	5/4
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Munitions Status	AF.STAT.	ı.	5/92
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Munitions Substitution Sortie Requirement	AF.POM.	Ŋ.	5/134



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Resupply Schedule	AF.STAT.	ı.	5/32
Resupply Schedule (POM Variation)	AF.STAT.	ī.	5/112
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Unit Status (Input Version)	AF.STAT.	Τ.	5/88
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War Mobilization Plan (POM Variation)	AF.TASK.	ı.	2/106
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Wing Operations Rates	AF.TASK.	Τ,	5/28
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Wing Resource Summary (POM Variation))	AF.STAT.	T.	2/110









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1.4 Execute/Monitor Operations Products

The screens presented in this section support the wing user in monitoring the execution of the unit's operations.

SCREEN TITLE

Flying Schedule (input version)
Single Aircraft Summary
Base Status
Airfield Status
Base Status Map
Fueis Status Map

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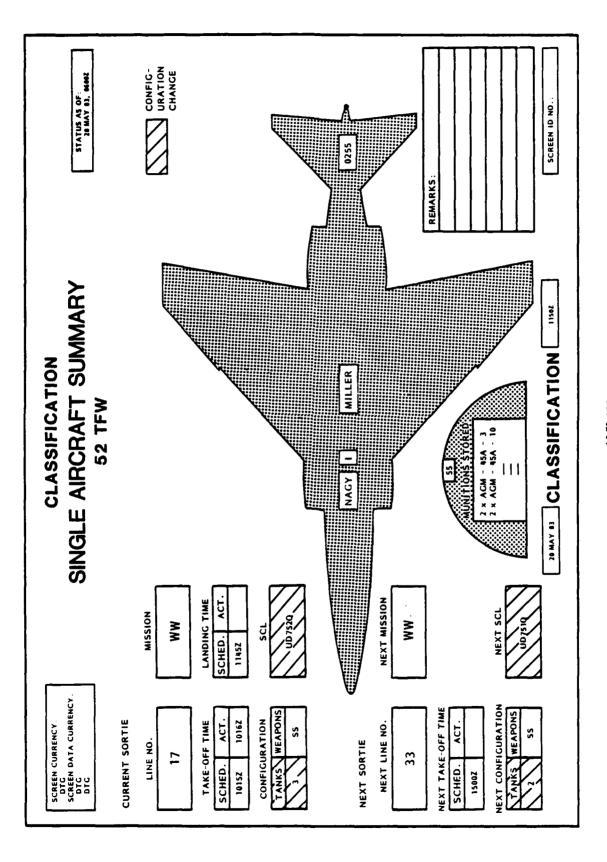
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SCREEN NUMBER: WG.CAP. .TI

SCREEN PURPOSE:

This screen is repeated here as an input screen to record the sortie's actual accomplishment data, e.g., take-off time, crew member changes, remarks, sortie effectiveness, etc.

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SCREEN TITLE: SINGLE AIRCRAFT SUMMARY

SCREEN NUMBER: WG.STAT. .G

SCREEN PURPOSE:

Provide the user with a screen which summarizes all pertinent information about an aircraft's status and schedule.

USER:

PRIMARY: Maintenance Operations Center

SUPPOR TING:

Senior Battle Staff
Mission Director
Tactical Fighter Squadron
Munitions Control Center
Aircraft Maintenance Units
Fuels Control
Supply

SCENARIO:

The flying schedule execution is being monitored and some condition has prompted the user to check on the status of a particular aircraft.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS:

Aircraft generation information has been entered into and is being updated within the system. The system has an updated flying schedule.

DATA SOURCE:

The data is already entered into the system by the various wing users, i.e., Frag Shop - schedule, Munitions Control - munitions, Fighter Squadrons - aircrew names, Maintenance Operations Center - status remarks.

RELATED SCREENS:

Aircraft Status Flying Schedule Munitions Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This is not a standard screen generation result, but is a specially programmed screen. It is an output screen only.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. I and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of the AFIRMS implementation.

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SCREEN TITLE: BASE STATUS (Input)

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SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Permit manual data entry and tabular display of current base status information for availability and schedule execution monitoring.

USER:

PRIMARY: Survivability Recovery Center (SRC)

SUPPOR TING:

Senior Battle Staff LRC Fuels Control Munitions Control Maintenance Operations Center Tactical Fighter Squadron

SCENARIO:

Survivability Recovery Center personnel are monitoring and updating base and airfield status and damage.

CLASSIFICATION:

This product is UNCLASSIFIED when the base status is fully operational. When there are any areas that become a limiting factor, the classification is SECRET.

ASSUMPTIONS: None.

DATA SOURCE:

The various wing agencies input their respective data. The SRC is responsible for determining the overall status.

RELATED SCREENS:

Base Status Map

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling Data change indicator

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES: None.

Add a subarea called "overall" for each area that will record the status for the area (Runway and NAVAIDS [Navigation Aids] have a dash (-) serving as the overall status).

DATA ELEMENTS:

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Element Name	Base Name	Base Operational Status	Base Attack Status	Base ETIC	Base Status Remarks	Base Status As Of	Resource Area	Resource Status	Resource ETIC	Resource Remarks

PARAMETER SELECTION SCREEN:

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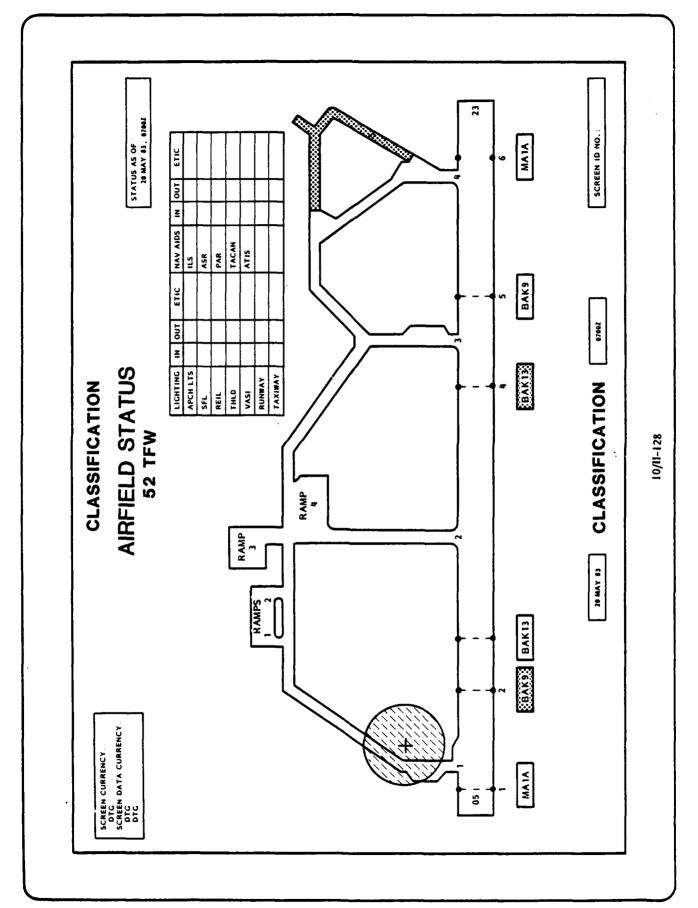
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SCREEN NUMBER: WG.STAT. .G

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SCREEN PURPOSE:

Display the overall status of the airfield and associated equipment.

USER:

PRIMARY: SRC

SUPPOR TING:

Senior Battle Staff Maintenance Operations Center Mission Director Tactical Fighter Squadron

SCENARIO:

Survivability Recovery Center personnel are monitoring and updating base and airfield status and damage. An unexploded bomb has been found from a recent airfield attack, and a 2,000-foot radius has been cordoned off for safety. The users are interested to see if the taxiways or the runway are affected.

CLASSIFICATIONS

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The wing enters the status data via the Base Status product. The taxiways, NAVAIDS, barriers, etc., are colored depending on their status code, e.g., FOP = green, NOP = red. The point and circle represent an unexploded bomb. The 2,000-foot radius safety distance and bomb location coordinates are input with another product.

RELATED SCREENS

Base Status Base Status Map DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This is not a standard screen generation result, but is a specially programmed screen.

It is an output screen only.

A grid system underlies this screen. Coordinates and a radius are entered with another product and are plotted by this product.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

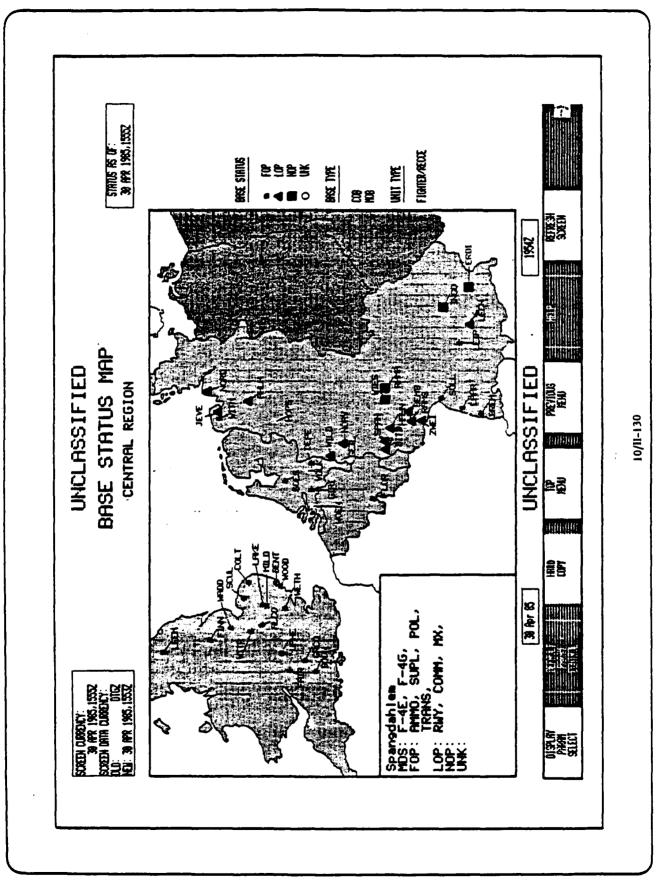
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

Not applicable. See Base Status product.



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SCREEN TITLE: BASE STATUS MAP

SCREEN NUMBER: WG.STAT. .G

SCREEN PURPOSE:

Provide quick view of bases with problem areas relative to their location in the area of interest.

USER;

PRIMARY: Senior Battle Staff

SUPPOR TING:

Tactical Fighter Squadron Mission Director

CLASSIFICATION:

This product is UNCLASSIFIED when all bases are fully operational (FOP). However, when any bases are limited or not operational (LOP or NOP), the product is SECRET.

ASSUMPTIONS: None.

DATA SOURCE:

aggregated the information and returned the information Operations Center (WOC) then inputs the data on the The bases in the Central Region have reported their status via AFIRMS to HQ USAFE which, in turn, to the wing via AFIRMS mail utility. The Wing airfields of interest into the system.

RELATED SCREENS:

Base Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data update notification

Base position color-coded depending on operational status Dynamic base display (i.e., not all bases may be desired) Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Ability for user to add or delete bases from the map.

Keys no. I and 3-7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS

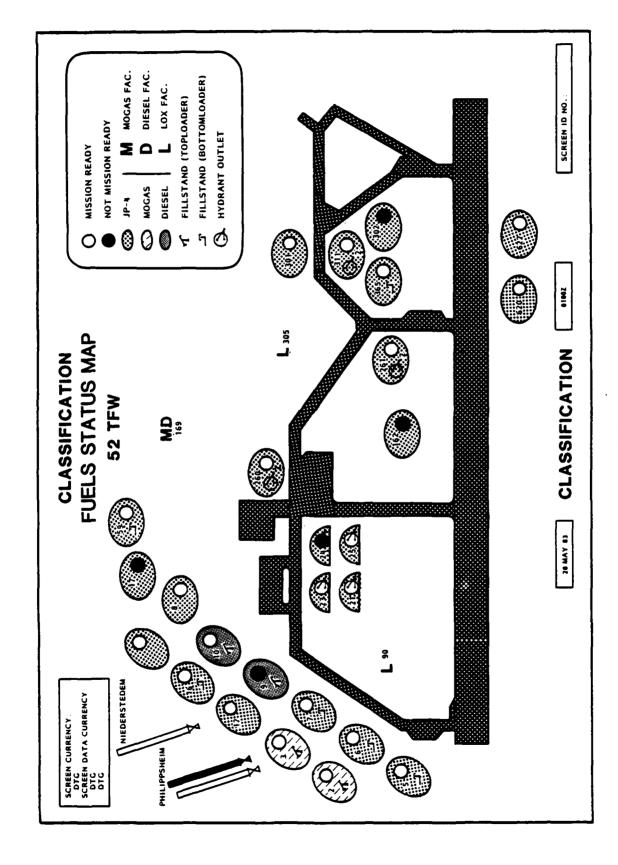
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION

This version will be furnished during the Analysis Phase of AFIRMS implementation.



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SCREEN TITLE: FUELS STATUS MAP

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SCREEN NUMBER: WG.STAT. .G

SCREEN PURPOSE

Provide current summarized fuel status information for availability and schedule execution monitoring.

PRIMARY: Fuels Control

SUPPOR TING:

Senior Battle Staff SRC

SCENARIO:

Either an identification of fuel resource availability to respond to tasking is desired or a monitoring of POL and associated equipment is being performed.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The Fuels Control personnel input the data with the Fuels Status product.

RELATED SCREENS:

Fuels Status Base Status DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This is not a standard screen generation result, but is a specially programmed screen. It is an output only screen.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION: Not applicable.

See Fuels Status product.



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The Wing Staff support products in this section support the wing's activities in its normal peacetime day-to-day duties (i.e., non-exercise).

SCREEN TITLE

War Mobilization Plan
Mission Profile Definition
Order Assignments
Wing Operations Rates
Wing Flying Day
Wing Resource Summary
Resupply Schedule
OPL AN/OPORD Associations
Aircraft Tasking
Integrated Capability
Individual Resource Capability
Base Fuels Capability
Munitions Capability
Process Status

The products in Section I.1 dealt with the ATO which is a very specific task for a single day—the next day. The DOC statement derived from the USF War Mobilization Plan (WMP) is a very general task for many days. The first five products are designed to make a general task (such as the DOC) into a specific task. The next two products summarize the wing's resources and include any resupply plans that are to be used. The OPLAN/OPORD Association product ties them all together in preparation for the Sortie Generation Model (SGM) to execute. The four resource capability products are the output of SGM. The last product, Process Status, is an AFIRMS support product that gives the user the ability to monitor the back processes spawned by AFIRMS to run the SGM, the Resource Rollup, and the Resource and Base/Unit Status exercise/crisis reports to USAFE.

A final comment: the products that translate the task into specific tasking, i.e., Mission Profile Definition, Order Assignments, Wing Flying Day, and Wing Operations Rates, have several recommended/suggested changes listed. The changes recommended are not an exhaustive list. The LPP did not permit the development of an operational system. Therefore, further analysis will be needed to develop an operational version of the Sortie Generation Model and the Translate Tasking module. It is sepected that more Translate Tasking products will be needed for the operational system.



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SCREEN TITLE: WAR MOBILIZATION PLAN

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SCREEN NUMBER: WG.TASK. .T

SCREEN PURPOSE:

Display the Designed Operational Capability (DOC) (derived from the USAF War Mobilization Plan (WMP)) task factors.

USERS:

PRIMARY: Wing Operations

SUPPORTING: Tactical Fighter Squadrons (TFS)

SCENARIO: (Reference baseline scenario.)

The user is reviewing the unit's DOC tasking.

CLASSIFICATION:

This product is classified SECRET when the wing's DOC data is entered. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The user. The user gets it from the unit's DOC Statement.

RELATED SCREENS:

Order Assignments Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES:

- a. Use MDS versus MD.
- b. Delete the WMP MDS parameter. That parameter is not needed at the wing level.
- Change the title to Designed Operational Capability. The War Mobilization Plan title is not appropriate at wing fevel.

DATA ELEMENTS:

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WAR MOBILIZATION PLAN
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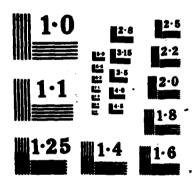
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SCREEN TITLE: MISSION PROFILE DEFINITION

SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE

Display the mission profiles of the various missions in the task.

PRIMARY: Wing Operations

SUPPORTING: Tactical Fighter Squadrons

SCENARIO: (Reference baseline scenario.)

The user is reviewing the data of the missions, e.g., munition Standard Conventional Loads (SCL) for the MDS and mission,

CLASSIFICATION:

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The wing user will input the data as assigned by HQ USAFE for DOC Statements. For what-if exercises, the user must develop the data.

RELATED SCREENS

Resupply Schedule
OPLAN/OPORD Associations Wing Resource Summary Wing Operations Rates Order Assignments Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

- Mission Priority is a unit oriented priority and should be moved to Order Assignments.
- Have AFIRMS compute Fuel (gal) usage using MDS, sortie duration, and mission versus a user input. A screen will be needed to input and update the fuel usage table for مُ
- Add a column for Minimum Fuel, i.e., that amount of fuel the aircrew does not use on the mission but holds as a ů
- Change Mission and MDS to separate columns. Ŧ,
- Add an expenditure per sortie factor (EPSF) table for munitions and TRAP. Munitions and TRAP are not completely expended on every mission. ij
- Add planned and WMP combat attrition rates for aircraft (now on Wing Operations Rates product) and aircrew.

DATA ELEMENTS

Element Name

DRD (

88	8 8	8E 9B	9E 9F
Resource Type Needed For Task	Task Type Set Identifier Resource Priority	Standard Quantity of Resource Needed Task Priority	Task Period Start Day

PARAMETER SELECTION SCREEN:

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SCREEN PURPOSE:

Display the mission assignment and sortie tasking for the wing's task.

USERS:

PRIMARY: Wing Operations

SUPPORTING: Tactical Fighter Squadrons, Maintenance Operations Center

SCENARIO: (Reference baseline scenario.)

The user is reviewing the tasking assigned in the wing task.

CLASSIFICATION:

This display is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The wing user will input the data as assigned by HQ USAFE for the wing's DOC Statement. For other tasks or what-if exercises, the user will develop and input the data.

RELATED SCREENS:

War Mobilization Plan
Mission Profile Definition
Wing Flying Day
Wing Operations Rates
Wing Resource Summary
Resupply Schedule
OPLAN(OPA)RD Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 9-8.)

Full screen editor

Paging and scrolling DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

Add a column for Mission Priority to be moved here from the Mission Profile Definition product. The mission priority is unit oriented and is not the same for all units.

b. Separate Mission Type and MDS into two columns.

c. Add a column for Unit Employment Day. This would normally be zero for the 52nd TFW but other units must deploy to be employed. For some tasks, the 52nd TFW might also be deployed.

d. Add a column for the Unit Employment Location. For the 52nd TFW this will normally be Spangdahlem but not for all tasks. Other units must deploy to be employed.

 Delete the Unit Name parameter. It is not needed at the unit level.

f. Add columns to allow for up to 4 unit MDSs.

g. A column may need to be added to this product for Sortie Duration, which is presently on the Wing Flying Day product. Sortle duration normally varies for the different types of mission, e.g., an Interdiction mission is normally a longer mission than a Close Air Support mission. h. Analysis is needed to determine if a column for wing priority (a recommended addition for USAFE and HQ USAF products) should be added to this wing-level product. It may be needed at bases with multiple units with different missions, e.g., Ramstein AB with a fighter mission and a airlift mission to support.

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SCREEN TITLE: WING OPERATIONS RATES

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SCREEN PURPOSE

Display the operations rates used by the wing in the task.

USERS:

PRIMARY: Wing Operations

SUPPORTING: Tactical Fighter Squadrons

SCENARIO: (Reference baseline scenario.)

The user is reviewing the wing's operating data used by the AFIRMS Sortie Generation Model to compute the unit's operating environment.

CLASSIFICATION:

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The user. The combat attrition rate may be furnished to the wing by HQ USAFE.

RELATED SCREENS:

Mission Profile Definition Order Assignments Wing Flying Day Wing Resource Summary Resupply Schedule

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

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Full screen editor Paging and scrolling

Keys no. 1, 2, 4-7, and 9-16.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

RECOMMENDED CHANGES:

- Delete Combat Attrition from this product and move to the Mission Profile Definition product.
- b. Add aircraft Battle Damage Repair (BDR) rate.
- c. Delete the Unit Name parameter. It is not needed at the wing level.

DATA ELEMENTS:

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Element Name		Min Time Between Takeoffs For Unit Order	Combat Attrition Rate For Unit Order							
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SCREEN NUMBER: WG.TASK. .T

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SCREEN PURPOSE:

Display the aircrew flying operation day planned for the task.

USERS:

PRIMARY: Wing Operations

SUPPORTING: Tactical Fighter Squadron

SCENARIO: (Reference baseline scenario.)

The user is reviewing the planned or required flying operations for the 52nd TFW aircrews in the squadron DOC statements.

CLASSIFICATION:

This display is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The wing user. For assessments of DOC statements, HQ USAFE may provide the wing with the standard data for the start and duration of the flying day.

RELATED SCREENS

War Mobilization Plan Mission Profile Definition Order Assignments Wing Operations Rates Wing Resource Summary Resupply Schedule OPLAN/OPORD Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

- a. Delete the Planned MD and the Current MD columns. They are not needed at the wing level.
- b. Delete the Unit Name parameter. It is not needed at the wing level.
- c. A maximum sorties per day constraint may be needed for the aircrew day.
- d. Analysis is needed to determine if time periods are also needed for this product. For example, the aircrew "Crew day" length or shift duration may be 16 hours but that can not be maintained for a long period of time. Therefore, it would seem appropriate that a wing's flying day should also be variable by day.
- e. The Sortie Duration may vary by type of mission. For example, a unit may fly a longer sortie duration for an interdiction mission than for a Close Air Support mission. Therefore, the Planned Sortie Duration may need to be moved to the Order Assignments product.
- f. If analysis shows that this product does need time periods as suggested in recommendation d above, then another product may be needed for the static data such as Planned and Current MDS, Planned PAA, and Planned aircrews from this product as well as Employment Day and Employment Location from the Order Assignments product.

DATA ELEMENTS

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SCREEN TITLE: WING RESOURCE SUMMARY

SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Display the rolled up summary of the wing's resources.

USERS:

PRIMARY: Wing Operations

SUPPOR TING: Munitions Control, Fuels Control, Tactical Fighter Squadrons

SCENARIO: (Reference baseline scenario.)

The user is reviewing the resource and quantities used by the SGM to compute the assessment of the task (which could be the DOC). (This product was also used by the WOC to review the resource report transmitted to USAFE.)

CLASSIFICATIONS

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

wing functional area users into their status products, i.e., Fuels Status, Munitions Status, Aircrew Status, and Aircraft Status. For what-if exercises, the user will have to input the data (if possible, by modifying existing resurce data). The AFIRMS sums up the wing resources using data input by

RELATED SCREENS:

Individual Resource Capability Resupply Schedule OPLAN/OPORD Associations Mission Profile Definition Order Assignments Wing Operations Rates Integrated Capability **Base Fuels Capability** Munitions Capability Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

Delete Command Unit and Unit Name parameters. They are not needed at wing level.

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INCORPORATION DOCUMENT

SCREEN TITLE: RESUPPLY SCHEDULE

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SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Display the resource resupply schedule planned for the unit's

USERS:

PRIMARY: Wing Operations

SUPPORTING: Munitions Control, Fuels Control, Tactical Fighter Squadron

SCENARIO: (Reference baseline scenario.)

The user is reviewing the resupply of resources and the time schedule for receiving them as planned for the task.

CLASSIFICATIONS

This display is normally classified CONFIDENTIAL. However, "what-if" exercises are UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The wing user will input the data provided by HQ USAFE. For what-if exercises, the user will develop and input the data.

RELATED SCREENS:

Mission Profile Definition
Order Assignments
Wing Flying Day
Wing Operations Rates
Wing Operations Commary
OPLAN/OPORD Associations
Integrated Capability
Individual Resource Capability
Base Fuels Capability
Munitions Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

- a. Add a column for fuel type to distinguish between the different grades of fuels.
- b. Add a column for Unit Resupply Location. The 52nd TFW need not be employed at home base.
- c. Delete the Unit Name parameter. It is not needed at the wing level.
- d. Change the Munition Type parameter to Resource Type.

DRD /	. YEI	138	20H	20F	20F
Element Name	Unit Owning Resource	Resource Name	Resource Resupply Label	Resource Resupply Day	Resource Resupply Quantity

PARAMETER SELECTION SCREEN:

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SCREEN TITLE: OPLAN/OPORD ASSOCIATIONS

SCREEN NUMBER: WG.TASK. .T

SCREEN PURPOSE:

whether the unit's capability is improved with a different set of resource distribution. Display the on-line runs already made with the SGM. It provides the means to associate the different sets of tasking and resource data together for input to the SGM. It also facilitates "what-ifing" readiness and capability issues, e.g.,

USERS:

PRIMARY: Wing Operations

SUPPOR TING: Tactical Fighter Squadrons

SCENARIO: (Reference baseline scenario.)

The user is either reviewing the tasking and resource sets used for a SGM run or is preparing to initiate another SGM run.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The user inputs the database labels desired.

RELATED SCREENS:

Individual Resource Capability Mission Profile Definition Wing Resource Summary Resupply Schedule Wing Operations Rates Wing Flying Day Integrated Capability Base Fuels Capability Munitions Capability Order Assignments

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES: None.

CANADA CONTRACTOR CONT

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Element Name	Order Identifier	SGM Days in Run	Unit Order Identifier (Asgn)	Task Type Set Identifier (Msn)	Unit Operations Identifier	Resource Set Identifier	Unit Order Identifier (Flv)	Resource Resupply Identifier	SGM Remarks

PARAMETER SELECTION SCREEN:

PRODUCT TO TOP PREVIOUS

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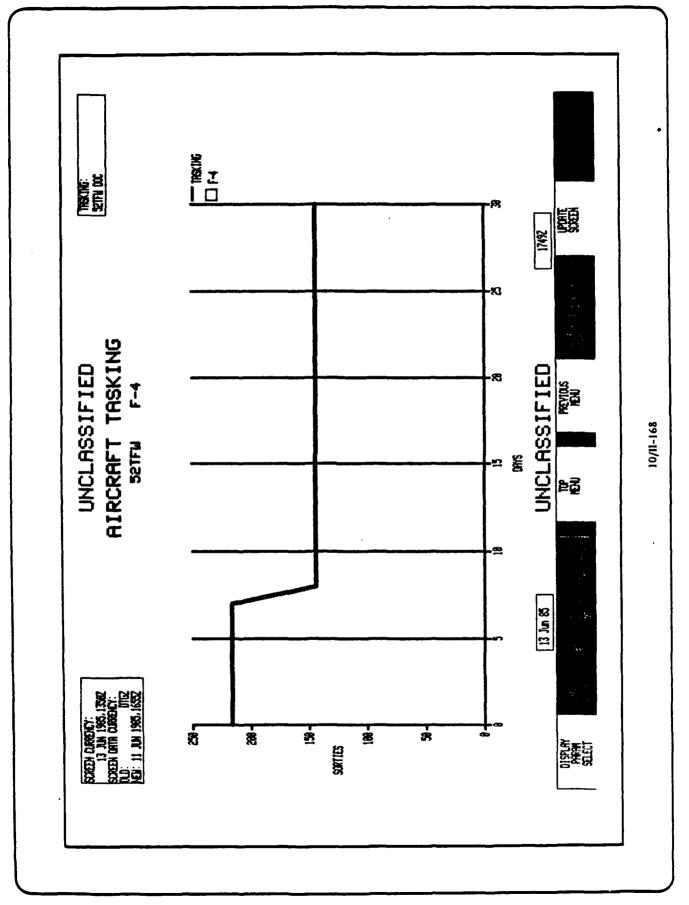
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SCREEN NUMBER: WG.TASK. .G

SCREEN PURPOSE;

Display the tasked sorties for the 52nd TFW over time.

USERS:

PRIMARY: Wing Operations

SUPPOR TING: Tactical Fighter Squadrons

SCENARIO: (Reference baseline scenario.)

Having input the sortie tasking data with the Order Assignments product, the user now wants to see the graphic description of that sortie tasking.

CLASSIFICATION:

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

AFIRMS computes the tasking using the tasking products previously described.

RELATED SCREENS:

Mission Profile Definition Order Assignments OPLAN/OPORD Associations DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES

- Delete the Aircraft MD and Command Unit parameters. They are not needed at the wing level.
- b. Change the subtitle to the wing name.

DRD	24.A	54E	54G	24K	26A	71A	718	71C	71D	71E
Element Name	Order Identification	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Order Identification For Tasked Unit	Task Period Start From Day	Task Period End to Day	Resource Type Needed for Total Order	Resource Oty Needed for Total Order

PARAMETER SELECTION SCREEN:

			Y	RCRAF	T TASKING	AIRCRAFT TASKING PARAMETER SCREEN	CREEN	:		
ENVIRONMENT: PEACE	MENT:	PEACE	EXERCISE	CRISIS	s			PAGE 1 of 1	-	
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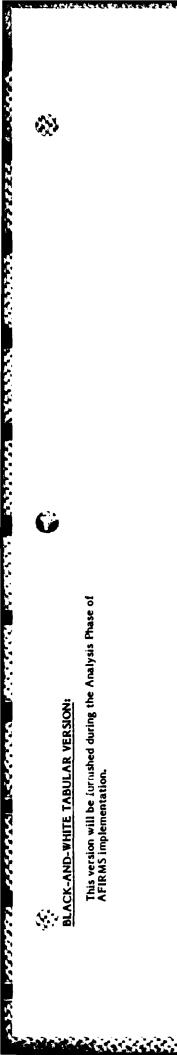
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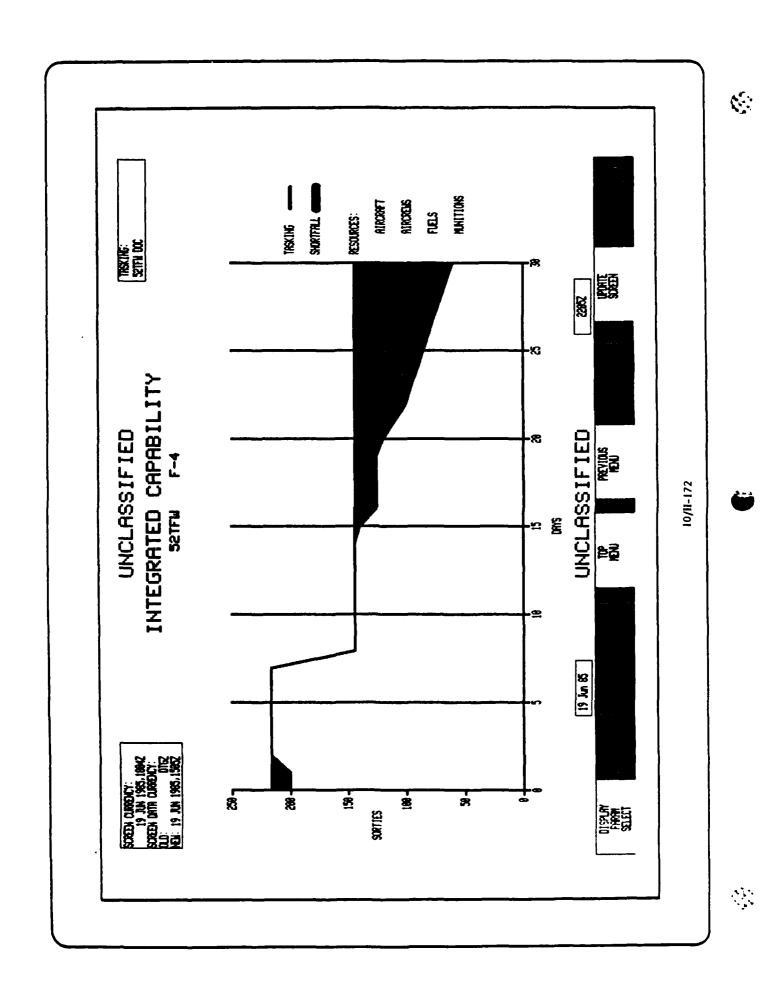
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SCREEN TITLE: INTEGRATED CAPABILITY

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SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the tasking and integrated capability of the wing's resources over time.

PRIMARY: Wing Operations

SUPPOR TING: Tactical Fighter Squadrons, Munitions Control, Fuels Control

SCENARIO: (Reference baseline scenario.)

After translating the general task such as the DOC statement into a specific task, the user executed the SGM and wants to see the assessment results.

CLASSIFICATION

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The individual resources constrain one another, e.g., fuels and munition resources are not "expended" on sorties not "flown" because of a spares shortfall.
- All assumptions applicable to the individual resource area assessments also apply to this product. ف

DATA SOURCE:

Definition, Order Assignments, etc.). The capability assessment is computed by AFIRMS SGM using the resources seen in the Wing Resource Summary and Resupply Schedule and the wing operating parameters input with the Wing Operations Rates and Wing Flying Day products. The tasking data is computed by AFIRMS using the data input by the user with the tasking products (Mission Profile

RELATED SCREENS:

Individual Resource Capability Mission Profile Definition Wing Operations Rates Wing Resource Summary **Base Fuels Capability** Munitions Capability Order Assignments Wing Flying Day Resupply Schedule

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Standard line graph screen

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES:

Delete the Aircraft MD, Command Unit, and Wing Name parameters. They are not needed at the wing level.

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DRD	C	YI:	<u>)</u>	∀ †5	24E	2#C	24K	26A	56F	26 G	
Element Name	Unit Mission	Aircraft Unit Name	Aircraft MDS	Order Identification	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Unit Employment Day	Unit Daily Sortie Task	Unit Daily Integrated Sortie Capability

PARAMETER SELECTION SCREEN:

INTEGRATED CAPABILITY PARAMETER SCREEN	ENVIRONMENT: PEACE EXERCISE CRISIS PAGE 1 of 1	2. FORECAST PERIOD 3. AIRCRAFT MD FIGHTER 4. COMMAND UNIT USAFE 5. WING NAME ALL UNITS	S2TFW DOC	RODUCT RETURN RETURN HELP —> RODUCT MENU MENU
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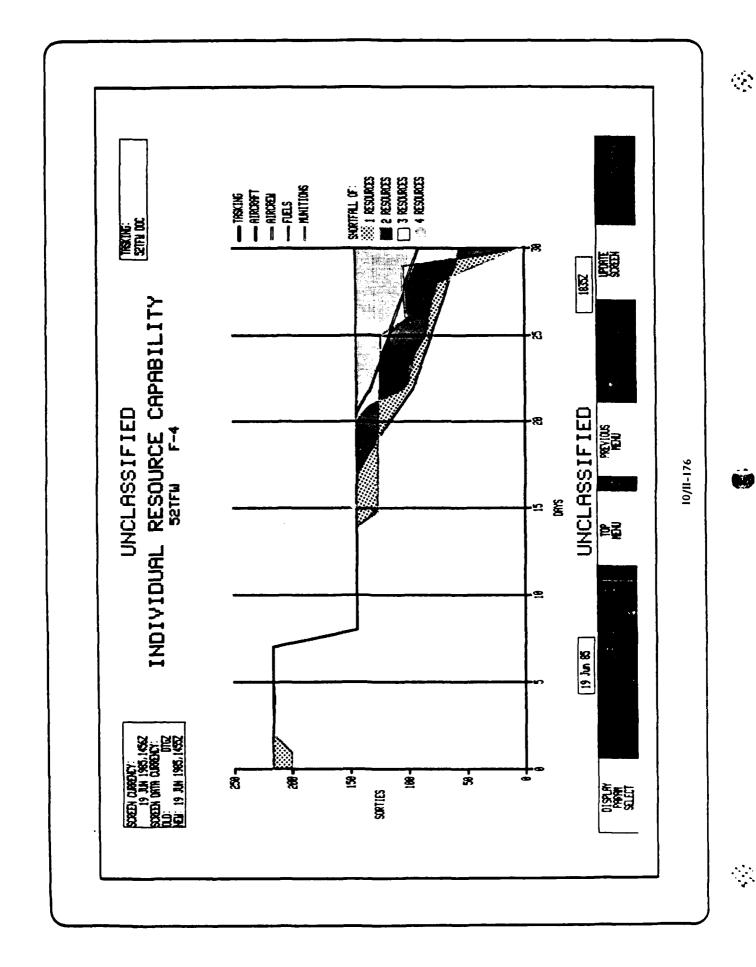


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BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of
AFIRMS implementation.

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SCREEN TITLE: INDIVIDUAL RESOURCE CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the tasking and relative capability of the unit's resources to support the tasking. The relative capability is displayed in an overlay format.

USERS:

PRIMARY: Wing Operations

SECONDARY: Tactical Fighter Squadrons, Munitions Control, Fuels Control

SCENARIO: (Reference baseline scenario.)

After reviewing the integrated capability of the resources to support the task, the user now wants to review the capability of the individual resources together on one display.

CLASSIFICATION:

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. The resource assessments can be computed in either of two modes: the resources constraining one another for integrated capability and unconstrained for this view.
- All assumptions applicable to the separate resource assessments also apply to this assessment.

DATA SOURCE:

The tasking and resource capability assessments are computed by AFIRMS using the data input by the user with the tasking and resource products previously described.

RELATED SCREENS:

Mission Profile Definition Order Assignments
Wing Operations Rates
Wing Flying Day
Wing Resource Summary
Resupply Schedule
Integrated Capability
Base Fuels Capability
Munitions Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic fegend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES:

Delete the Aircraft MD, Command Unit, and Wing Name parameters. They are not needed at the wing level.

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DRD #	o V	11C 54A	54E	24C	24K	56F	26G	73A	73C	730
Element Name	Unit Mission Aircraft Unit Name	Aircraft MDS Order Identification	Order Date	Order Change Number	Order Classification	Unit Employment Day	Unit Daily Sortie Task	Unit Name	Resource Type	Unit Daily Resource Sortie Capability

PARAMETER SELECTION SCREEN:

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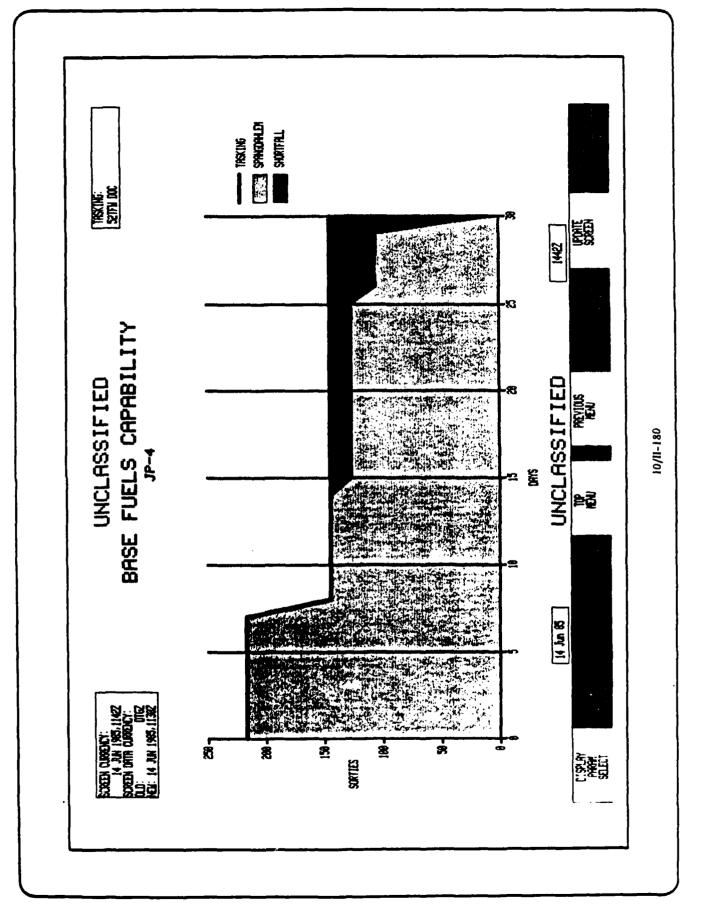


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SCREEN TITLE: BASE FUELS CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the capability of the base fuels resource to support the wing's task.

ISERS:

PRIMARY: Wing Operations

SUPPOR TING: Fuels Control

SCENARIO: (Reference baseline scenario.)

The user has reviewed the capabilities of the resources individually and together (reference the Integrated Capability product.) The user now wishes to review the capability of the base fuels resource alone.

CLASSIFICATION:

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. No damage to the base receiving and storage facilities including the pipeline. Also, no damage to the refueling facilities nor attrition of equipment or personnel.
- b. NATO Stage A cross-servicing and civilian fuel stocks are not considered.
- Sortie duration and fuel consumption are specified by the tasking and are changeable for what-if queries.
- Aircraft air aborts and weather attrition are not considered.

DATA SOURCE:

The tasking and base fuels capability assessments are computed by AFIRMS using the data input by the user with the tasking and resource products previously described.

RELATED SCREENS:

Mission Profile Definition
Order Assignments
Wing Operations Rates
Wing Flying Day
Wing Resource Summary
Resupply Schedule
Integrated Capability
Individual Resource Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Standard line graph

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES:

- a. The product must tell the user whether fuels were resupplied for this capability assessment.
- b. Delete the Command Unit and Base Name parameters.
 They are not needed at the wing level.

DRD /	IC	546	54K	56F	73C
	54A	54G	56E	73A	73D
Element Name	Unit Mission	Order Date	Order Classification	Unit Employment Day	Resource Type Supporting Unit Task
	Order Identifier	Order Change Number	Base Name	Unit Name For Tasked Unit	Unit Daily Resource Sortie Capability

PARAMETER SELECTION SCREEN:

			BASE	FUELS	CAPABILI	BASE FUELS CAPABILITY PARAMETER SCREEN	ER SCREEN			
E.	ENVIRONMENT:		PEACE EXERCISE	CRISIS	S			PAGE 1 of 1		
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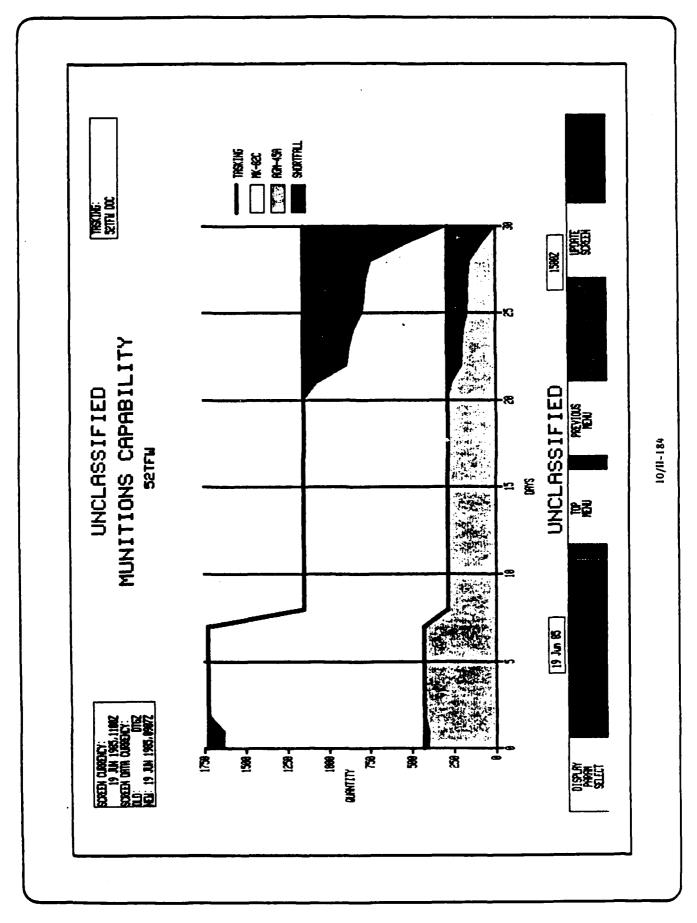


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SCREEN TITLE: MUNITIONS CAPABILITY

personal locations between the property of the second and the seco

Ġ SCRLEN NUMBER: WG.CAP.

SCREEN PURPOSE

Display the capability of the wing's munitions resource to support the wing task over time.

USERS:

PRIMARY: Wing Operations

SUPPORTING: Munitions Control

SCENARIO: (Reference baseline scenario.)

individually and together (reference the Integrated Capability product) integrated. The user now wants to review the capability of the tasked munitions. The user has reviewed the capabilities of the resources

CLASSIFICATION;

This display is normally classified CONFIDENTIAL. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The munition buildup uses a standard dictionary with the priority of buildup decided by the Operations staff.
- Other munitions can be substituted for the preferred munition according to alternate SCL priority established by the Operations staff. ف
- qualifications (that would be an aircrew shortfall). It is constrained by munitions assembly, distribution, and Munitions capability is not constrained by aircrew loading factors. ن
- The product includes only current base inventories plus theatre supplies as described // the Resupply Schedule product. ė
- Only complete "whole-up" munition rounds are used in the assessment. نه

DATA SOURCE:

The tasking and munitions capability assessments are computed by AFIRMS using the data input by the user with the tasking and resource products previously described.

RELATED SCREENS:

Individual Resource Capability Mission Profile Definition Wing Resource Summary Resupply Schedule Integrated Capability Wing Operations Rates Order Assignments Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. I and 3-7.

RECOMMENDED CHANGES:

- The product must tell the user whether munitions were resupplied for this capability assessment. đ
- The product must tell the user whether munitions substitution was used in the assessment. ف
- Delete the Command Unit parameter. It is not needed at the wing level. ن

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DRD /	24A	24E	24C	Z.K	26A	56F	73C	73F	731.
Element Name	Order Identifier	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Unit Employment Day	Resource Type Supporting Unit Task	Unit Daily Resource Quantity Capable	Unit Daily Resource Amount Tasked

PARAMETER SELECTION SCREEN:

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.	-			80
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	PEACE	ORDER IDEN MK-20 MK-82C MK-82R CBU-58 ORECAST F 30 USAFE		
	ENVIRONMENT:	1. OR 2. MU 3. FO 4. CO 5. CO	DISPLAY	=
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SCREEN TITLE: PROCESS STATUS

SCREEN NUMBER: WG.SPT. .T

SCREEN PURPOSE:

Display the job status of the AFIRMS functions requested, i.e., the SCM, Wing Resource Rollup, Base and Unit Status Rollup, Transmit Wing Resource Rollup, Transmit Base Status Rollup, and Transmit Unit Status Rollup.

USERS:

PRIMARY: Wing Operations (WOC Battle Staff in exercises)
SUPPORTING: Tactical Fighter Squadrons, Munitions Control,

SCENARIO: (Reference baseline scenario.)

Fuels Control

The user has executed the SGM or is rolling up the resource data and is monitoring the status of the spawned batch job. (In an exercise, the additional functions of transmitting the status reports on resources, base, and unit would be monitored.)

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The AFIRMS system provides the data.

RELATED SCREENS:

OPLAN/OPORD Associations

DISPLAY SCREEN FEATURES: (Product Display Screen Features, page 3-8.)

Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES:

- a. A function needed with this product is the ability to cancel/kill a spawned job or request.
- b. Delete the Operating Site parameter.

Element Name

User Name Operating Site Name Terminal ID

DRD /

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Job Run Status Job Status Completion Code Error Message

DRD /

Element Name

PARAMETER SELECTION SCREEN: Transaction ID Function Name Association Label Job Start DTG Job Finish DTG

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SECTION 3. ALPHABETICAL INDEX

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SCREEN TITLE	SCREEN NUMBER	PAGE NUMBER
		¥ .17 0 1
AGE Availability Status		10/11-76
AGE Support Capability	•	10/11-74
Aircraft Availability	WG.STATG	10/11-28
Aircraft Availability (Pie Version)	WG.STAT.	10/11-32
Aircraft Canability	WG.CAPG	10/11-24
Aircraft Status	WG.STATT	10/11-80
Aircraft Tasking	WG.TASKG	10/11-168
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Aircrew Canability	•	10/11-36
Aircrew Generation		10/11-40
Aircrew Status	. •	10/11-88
Airtield Status		10/11-128
Base Firets Canability	•	10/11-180
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Flying Schedule (Input Version)	•	10/11-120
Fixing Schedule (Maintenance)		10/11-114
Flying Schedule (Operations)		10/11-110
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Fuels Status Map	WG.STATG	10/11-132
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Mass Load Generation Schedule	WG.TASKT	10/11-106
Mission Flow	WG.TASKG	10/11-12
Mission Flow (Schedule Variation)	WG.TASKG	10/11-108
Mission Profile Definition	WG.TASKT	041-11/01
Munition Flow	WG.TASKG	10/11-18
Munitions A and D Availability	WG.STATT	10/11-68
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Munitions Availability Forecast		10/11-102
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Munitions Distribution Capability		10/11-62
Munitions Load Capability		09-11/01
Munitions Load Crew Flow	WG.CAPG	99-11/01
Munitions Load Crew Status	WG.STATT	96-11/01
Munitions Status	WG.STATT	86-11/01
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Order Assignments	WG.TASKT	10/11-144
Process Status	•	10/11-188
Refuel Capability		10/11-52
Refueling Truck Flow	•	10/11-54
Resupply Schedule	WG.STATT	091-11/01
Single Aircraft Summary	WG.STATG	10/11-122
Supply MICAP Status	WG.STAT1	10/11-84

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Section 3 Alphabetical Index (Continued)

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SCREEN NUMBER PAGE NUMBER	WG.CAPG 10/II-22 WG.TASKG 10/II-8			
SCREEN TITLE	Task Capability Tasked Missions	Tasked Munitions Tasking Information	War Mobilization Plan Wine Flying Day	Wing Operations Rates



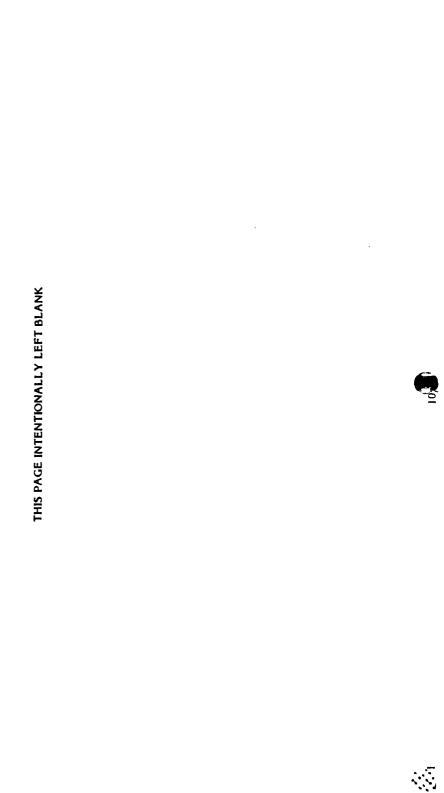
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The products in this annex support Headquarters, United States Air Forces, Europe (HQ USAFE), the three Numbered Air Forces (3rd, 16th, and 17th) and the many wings in USAFE in exercise, crisis, or peactime normal day-to-day activites. Part 1 of this annex contains HQ USAFE products and Part II contains products supporting the 52nd Tactial Fighter Wing (TFW). As other wings are added, additional parts will be added -- one part for each wing.

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ANNEX 10, PART 1. HQ USAFE PRODUCTS

SECTION I. USAFE OPERATIONS SUPPORT CENTER (OSC) PRODUCTS

USAFE OSC support products contained in this section support the Contingency Support Staff (CSS) activities of:

- 1.1 Translate and Review Tasking Requirements
 - 2 Determine Unit Resource Capability
- 3 Determine Unit/Base Resource Status

The CSS receives operational and functional area reports from the combat units and support bases on munitions, fuels, spares, maintenance, base status, aircrew and aircraft status and location, etc. The CSS arranges/coordinates theatre resupply of expended/attrited/shortfall resources and/or units. Data from the units and bases are entered into the HQ USAFE AFIRMS in one of three ways: (1) by the unit's AFIRMS, (2) through interfaces with other automated systems, and (3) by the CSS itself.

It is assumed that the CSS has developed an Operations Plan (OPLAN) or Operations Order (OPORD) in support of a Joint Chiefs of Staff (JCS) directive (including closely-held ones) and the CSS is reviewing unit and theatre resources and the OPLAN tasking for feasibility. (USAFE's different roles in North Atlantic Treaty Organization (NATO) and non-NATO scenarios are noted. For a NATO scenario, it is assumed that NATO is giving HQ USAFE the planned tasking.)

SECTION 2, USAFE STAFF SUPPORT PRODUCTS

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The products in this section support the USAFE Staff during its normal peacetime day-to-day activities. Since a major objective of AFIRMS is to provide a capability for the USAFE Staff to connect budget dollars to force readiness, the focus of the products is on the Air Force Program Objective Memorandum (POM) process. To that end, the Translate Tasking (Section 1.1) and Capability Assessment (Section 1.2) products are used to determine where the priorities should be for the POM resources, i.e., which resources are the most limiting on the Air Force's combat capabilities.

The function of the Dollar to Readiness products is to help the user to determine how the resource(s) and dollars should be traded off to provide the desired and/or affordable improvement in readiness. The two products on munitions substitution have a different purpose. They don't directly show the dollar effect on readiness but they do show the resource impact of using less effective munitions as a substitute for preferred munitions. Indirectly, of course, this resource impact does have a dollars effect on readiness. The next-to-last product represents another objective of AFIRMS: to historically relate force readiness and capability. The controversy that arose in 1984 over the 1984 versus the 1980 unit readiness using the service C-ratings is not soon forgotten. The last product is an administrative product to tell the user the status of the batch processes spawned by the Sortie Generation and Dollars To Readiness models, i.e., executing, complete, or aborted.

The products in Section I can assist the USAFE Staff in other peacetime duties. OPLAN assessments are a big concern to XPX, DOX, DOJ, LGX, and LRC. Mission Area Analysis is always a big interest. And, of course, assessment of unit Designed Operational Capability (DOC) statements is a valuable tool for USAFE/DOC and the functional areas. War Readiness Material (WRM) assessments for adqequacy and assistance in resource allocation also come to mind.

If review of these products suggests other uses, please pass them on to AF/XOOIM or SofTech.

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1.1 Translate and Review Tasking Requirements Products

The first three products in this Section provide a "bird's-eye" view of the task requirements and aid the user to understand the translating a general task into specific unit tasks which, in turn, are used by AFIRMS to compute those "bird's-eye" views of the scope of the task. The rest of the products assist the user in

SCREEN TITLE

Munitions Tasking [Planned; not included] Wing Tasking [Planned; not included] Mission Tasking Detail Summary Mission Profile Definition Wing Operations Rates War Mobilization Plan Order Assignments Resupply Schedule Mission Tasking Aircraft Tasking Wing Flying Day

grasp the size of a task from a written order. A sample task might squadrons and it becomes very difficult to completely comprehend The purpose of the tasking products is to give the user several be: for the 23rd TFS at Spangdahlem to fly for 30 days with a 2.6 Counter Air; 25%, Defense Suppression; 25%, Interdiction. (The 23rd TFS PAA is 16 F-4E and 8 F-4G.) Munitions loads will be ... different graphic views of the task, e.g., functional or resource, mission, location, or combinations. It is sometimes difficult to Ute rate for the first 5 days and a 1.5 utilization or Ute rate for however, increase the scope of the task to 10, 25, 50, or 150 the next 25 days. Also, 50% of the sorties will be Offensive etc. That task could be rapidly sized with pencil and paper; the whole task.

munition. Changing the aircraft to an F-4E will change not only the aircraft tasking for F-16s and F-4Es, but also the fuels tasking, Additionally, the munitions tasking may change because the F-4E The screens in this section are interrelated because the data about the task is interrelated. For example, take the case of an F-16A tasked for an interdiction mission with the Durandal may not be able to carry a Durandal. The point is that changing because of the different consumption rates of the two aircraft. the data, after reviewing a screen such as the Mission Tasking Detail Summary, will also change the other screens.

tasking data; however, the user must be aware that changing the It is very desirable to do "what-if" queries by changing the data will impact other readiness factors. The tasking screens also affect the capability screens in the has been computed, changing the tasking after that computation next Section (1.2). If the unit(s)/task force/MAJCOM capability will necessitate recomputing the capability screens.

expected that more Translate Tasking products will be needed for recommended are not an exhaustive list. The LPP did not permit Assignments, Wing Flying Day, and Wing Operations Rates, have Sortie Generation Model and the Translate Tasking Module. It is A final comment: the products that translate the task into analysis will be needed to develop an operational version of the the development of an operational system. Therefore, further several recommended/suggested changes listed. The changes specific tasking, i.e., Mission Profile Definition, Order the operational system.

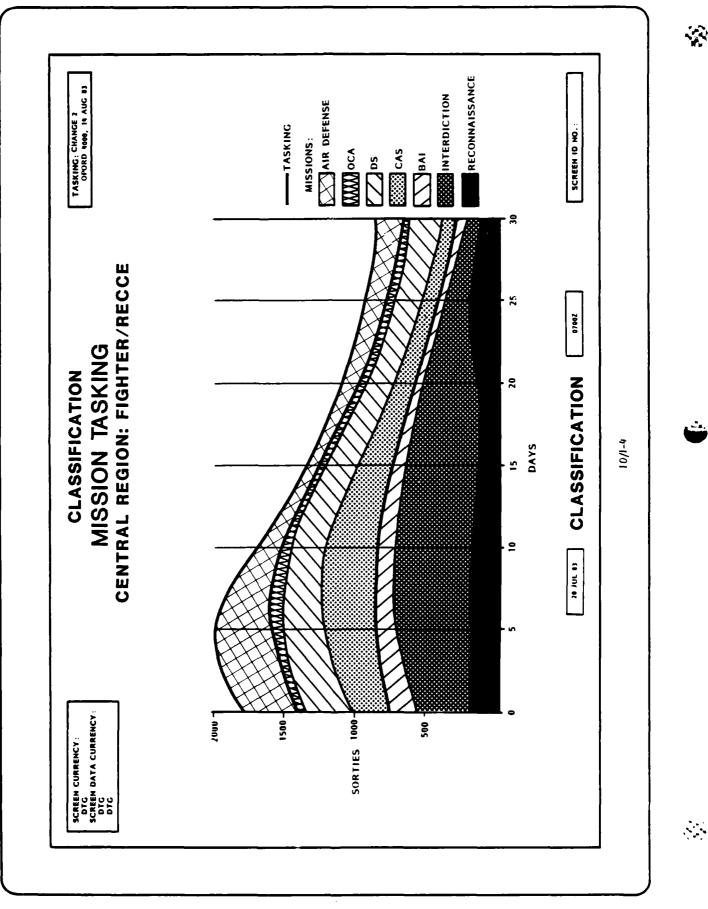


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SCREEN TITLE: MISSION TASKING

SCREEN NUMBER: MAJ.TASK. .G

SCREEN PURPOSE:

Display the aggregate distribution trends of tasked sorties across multiple missions by day.

USERS

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

The Battle Staff is reviewing a USAFE OPLAN or OPORD (perhaps for a JCS close-hold task). The CSS wants to review the first 30 days of the aggregate Central Region mission tasking.

CLASSIFICATION:

The normal classification is expected to be SECRET, though it could be TOP SECRET if the OPLAN's security instructions require it. However, if the task is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- a. The Air Force is using standard acronyms for the missions, i.e., BAI for Battlefield Air Interdiction.
- b. The sortie data may be (1) objective sortie rates for an OPLAN or a what-if query, (2) standard rates from the War Mobilization Plan (WMP) or unit Designed Operational Capability (DOC) statements, or (3) lump sum sorties per day per mission.
- c. Task data has been entered and units tasked.

DATA SOURCE:

The mission data is computed from unit tasking data that a user has input and assigned to units. The unit names, unit Mission Design Series (MDS), Primary Aircraft Authorization (PAA), sortie rates and duration, and employment dates and locations may be obtained from a war plan through an interface with Contingency Operations/Mobility Planning and Execution System (COMPES). If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS:

Aircraft Tasking
Mission Tasking Detail Summary
Order Assignments
Wing Operations Rates
Munitions Tasking [Planned; not included]
Wing Tasking [Planned; not included]
Tabular versions of all except Tasking Detail Summary

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

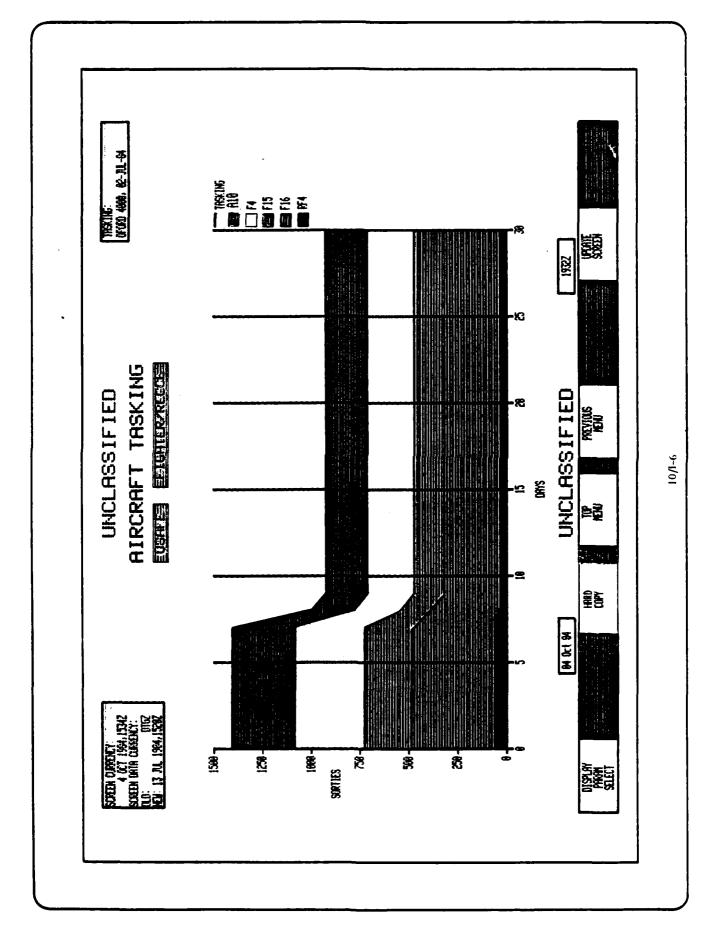
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.











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SCREEN TITLE: AIRCRAFT TASKING

Ġ SCREEN NUMBER: MAJ.TASK.

SCREEN PURPOSE

Display the aggregate distribution trends of tasked sorties for several aircraft Mission Designs (MDs) by day.

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

The Battle Staff is reviewing a USAFE OPLAN or OPORD and, having reviewed the mission tasking, now desires to review the aggregate USAFE tasking by aircraft MD.

CLASSIFICATIONS

require it. However, if the task is a "what-if" exercise, it can be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task. The normal classification is expected to be SECRET, though it could be TOP SECRET if the OPLAN's security instructions

ASSUMPTIONS:

- Task data has been entered and units tasked.
- The sortie rates may be (1) objective sortie rates from an OPLAN or a what-if query, (2) standard rates from the WMP or unit DOCs, or (3) lump sum sorties per day. ځ
- Though the tasking is specific to the unit's MDS (e.g., F-4E, F-4G, F-15A, F-15B, etc.) the tasking is grouped by the aircraft MD (e.g., F-4, F-15) for viewing purposes. ن

DATA SOURCE:

The mission data is computed from unit tasking data that a user has input. Some of the data may be obtained through an interface with COMPES. If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS

Tabular versions of all except Tasking Detail Summary Munitions Tasking [Planned; not included] Wing Tasking [Planned; not included] Mission Tasking Mission Tasking Detail Summary Wing Operations Rates Order Assignments

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES:

The legend order of display must be shown in the same order as the graph.

DATA ELEMENTS:

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DRD #	54.A	24 24 24	26A	71A	718	71C	710	71E
Element Name	Order Identification	Order Date Order Classification	Tasked Unit Name	Order Identification For Tasked Unit	Task Period Start From Day	Task Period End To Day	Resource Type Needed For Total Order	Resource Oty Needed For Total Order

PARAMETER SELECTION SCREEN:

DRD 4000

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BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN CURRENCY: DTG SCREEN DATA CURRENCY: DTG DTG

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SCREEN ID NO.

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SCREEN TITLE: MISSION TASKING DETAIL SUMMARY

SCREEN NUMBER: MAJ.TASK.

SCREEN PURPOSE:

Display the detailed summary information for the tasked missions and aircraft.

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

wants to see the specifics of a one-day slice of the multi-day task (it could be the total Air Tasking Order). The Battle Staff has reviewed the aggregate distribution of tasked sorties by mission and aircraft. The Battle Staff now

CLASSIFICATION:

The normal classification is expected to be SECRET, though it could range from UNCLASSIFIED to TOP SECRET depending on the task's classification instructions. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- The task has been entered and units tasked.
- sortie rates or is input in lump sum sorties per day per unit. The sortie data is computed from objective or standard ځ
- The tasking is specific to the unit's MDS and is also viewed here by MDS even though it was grouped by MD for the Aircraft Tasking screen. ن

DATA SOURCE:

The tasking data is computed from unit tasking data that a user has input. Some of the data may be obtained through an interface with COMPES. If the data is not obtained from another system, it must be input by an AFIRMS user.

RELATED SCREENS:

Munitions Tasking [Planned; not included] Wing Tasking [Planned; not included] Wing Operations Rates Order Assignments Aircraft Tasking Mission Tasking

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Line Highlighter Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 3, 4, 5, 6, and 7

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: WAR MOBILIZATION PLAN

SCREEN NUMBER: MAJ.TASK. .T

SCREEN PURPOSE:

Display the War Mobilization Plan (WMP) Volume 5 planning factors.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

The CSS is reviewing the War Mobilization Plan (WMP) planning factors used in building the task/OPORD.

CLASSIFICATION

Normally this screen will be classified SECRET. However, "what-if" versions may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The sortie rates and duration will be the same for all units with the same MDS.

DATA SOURCE:

The data for this task may be input by the user, transmitted to HQ USAFE by HQ USAF via AFIRMS, or obtained by an interface to COMPES.

RELATED SCREENS:

Order Assignments Wing Flying Day

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, and 26.

RECOMMENDED CHANGES:

Use aircraft MDS versus MD.

DATA ELEMENTS:

DRD #	54A	54E	54G	24K	718	71 <u>C</u>	ZID	71F	716
Element Name	Order Identification	Order Date	Order Change Number	Order Classification	Task Period Start Day	Task Period End Day	Resource Type Required	Aircraft Sortie Rate	Sortie Duration

PARAMETER SELECTION SCREEN:

			WAR	MOBIL	IZATION PLA	WAR MOBILIZATION PLAN PARAMETER SCREEN	SCREEN			
ENV	ENVIRONMENT:	PEACE	EXERCISE	CRISIS	s			PAGE 1 of		
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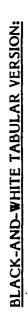
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VOL. 5. - EXTRACT

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						UFBB60	8	
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TESTACTUAL	0	9	AD-F-4		2400	UE0010	1	П
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SCREEN TITLE: MISSION PROFILE DEFINITION

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SCREEN NUMBER: MA3.TASK. .T

SCREEN PURPOSE:

Display the mission priorities and aircraft Standard Conventional Load (SCL) assignments for the respective time periods used in unit tasking and readiness assessments.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the Battle Staff is reviewing the mission priorities and aircraft SCLs used by the missions in that tasking.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

These assumptions may not suit everyone and the changes recommended below will relieve some of those concerns. As it stands, this product served its purpose for the LPP. For this PD, it serves as an example of a product needed to define the mission for the task.

- a. The Mission Priority is the same for all units flying a mission (with the aircraft MD).
- b. The user is familiar with all MDs and can accurately estimate the amount of fuel each MD will use. Inherent in this fuel calculation is the assumption that the sortie duration will be the same for all units and that the maximum unrefueled sortie length is not exceeded.
- SCL priority is the same for all units flying the mission (with the aircraft MD).
- d. Each sortie expends all of its munitions.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS.

RELATED SCREENS:

Aircraft Tasking
Mission Tasking
Mission Tasking Detail Summary
Order Assignments
Resupply Schedule
Wing Flying Day
Wing Operations Rates

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- a. Mission Priority is a unit oriented priority and should be moved to Order Assignments.
- b. Fuel (gal.) should be removed as a usage input and calculated by the computer based on MDS, sortie duration, and mission. A screen will be needed to input and update this fuel usage table.
- c. Mission and MDS must be separate columns.
- d. An expenditure per sortie factor (EPSF) table must be added so the computer can compute the amount of munitions and aircraft tanks, racks, adapters, and pylons (TRAP) resources that are expended on each sortie. (The SCL is not completely expended on each sortie.)
- e. Aircraft and aircrew combat attrition rates (a function of mission, MDS, and time) should be added to this product. Other columns should be added for WMP combat attrition rates as a reference for the user (non-WMP rates may be used for "what-if" queries).

DATA ELEMENTS:

Element Name

DRD #

8A 8B	8D	8E	98	9E	9F
Resource Type Needed for Task Task Type Set Identifier	Resource Priority	Standard Quantity of Resource Needed	Task Priority	Task Period Start Day	Task Period End Day

PARAMETER SELECTION SCREEN:

								<u>^</u>
	PAGE 1 of 1		Write in a value,					
R SCREEN		_						HELP
MISSION PROFILE DEFINITION PARAMETER SCREEN								RETURN PREVIOUS MENU
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SEGMENT 1 OF 1

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PAGE 1 OF 18

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TESTACTURE	9	9	36TFW	172	AD-F-15	173
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					CAS-F-16	9
					INTD-F-16	9
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SCREEN TITLE: ORDER ASSIGNMENTS



SCREEN NUMBER: MAJ.TASK. .T

SCREEN PURPOSE:

Display the mission and sortie assignments of the tasked units.

USERS

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the Battle Staff is reviewing the assigned mission and sortie tasking of the units tasked in USAFE's OPORD/task.

CLASSIFICATION:

This product will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The WMP sortie data is a reference figure and is not a "do not exceed" limit.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS.

RELATED SCREENS:

Aircraft Tasking
Mission Tasking
Mission Tasking Detail Summary
War Mobilization Plan
Wing Flying Day
Wing Operations Rates
Mission Profile Definition
Munitions Tasking [Planned; not included]
Wing Tasking [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- Add a column for mission priority. It is presently on the Mission Profile Definition product and must be moved to this product because the mission priority is unit oriented.
- b. Add a column for Wing Priority within the order. This is needed for the instances when there is more than one wing or unit at a base. It is not unusual for a contingency OPlan to have a reconnaissance unit and a fighter unit at the same base. In addition, the base may also be an airlift base (e.g., Ramstein). This addition is also beneficial for the dollars to readiness "sortie buy back" methodology.
- c. Separate the Mission Type MD column into two columns: one for Mission Type and one for MDS.
- d. Add columns to allow for up to 4 unit MDSs.
- Add a column for Unit Employment Day. This will tell AFIRMS when the unit is available for tasking. (Some units have to deploy to be tasked.)
- Add a column for the base name where the unit will be tasked. (Not all units fight at home.)
- g. A column may need to be added to this product for Sortie Duration which is presently on the Wing Flying Day product. Sortie Duration normally varies for the different types of mission, e.g., an Interdiction mission is normally a longer mission than a Close Air Support mission.

DATA ELEMENTS:

CONTRACTOR CONTRACTOR

DRD #	54A 54E	54G 54K	56A	56E	26M	59D	59E	59G	59K	29L	74B
Element Name	Order Identifier Order Date	Order Change Number	Tasked Unit Name	Base Name - Unit Employment Location	Unit Employment Day Total WMP Sorties Per Day	Task Period Start Day	Task Period End Day	Mission Type	Sortie Per Day	Mission Priority	Resource Type In Unit Of Order

PARAMETER SELECTION SCREEN:

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UNCLASSIFIED ORDER ASSIGNMENTS

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SCREEN TITLE: WING FLYING DAY

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SCREEN NUMBER: MAJ.TASK.

SCREEN PURPOSE

Display the unit aircrew flying operations planned for the tasked units.

USERS:

PRIMARY: Battle Staff

SUPPOR TING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the Battle Staff is reviewing the planned or required flying operations for the unit aircrews tasked in USAFE's OPORD/task.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The WMP sortie duration is for reference use and is not a limiting item.
- Flying day start time is the first planned sortie departure time for the day. ف
- Shift start time is also the first planned sortie departure time. ن
- Aircrew shifts can overlap. ÷
- Planned MD is for out-year computations.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS.

RELATED SCREENS:

Munition Tasking [Planned; not included] Wing Tasking [Planned; not included] Aircraft Tasking Mission Tasking Detail Summary Mission Profile Definition Wing Operations Rates War Mobilization Plan Order Assignments Mission Tasking

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- Change the Planned MD to Planned MDS.
- Change the Current MD to Current MDS. Add a column for Planned PAA. er ore
- Add columns for out-year number of aircrews qualified in Add a column for Planned Number of Aircrews. نه
- shift duration may be 16 hours but that cannot be maintained for a long period of time. Therefore, it would seem appropriate that for this product. For example, the aircrew "crew day" length or Analysis is needed to determine if time periods are also needed required weapons and/or missions e.g., AGM-65, Wild Weasel. a wing's flying day should also be variable by day.
- a unit will fly a longer sortie duration for an Interdiction mission Sortie Duration may need to be moved to the Order Assignments The Sortie Duration may vary by type of mission. For example, than for a Close Air Support mission. Therefore, the Planned ÷
- suggested in recommendation f above, then another product may be needed for the static data such as Planned and Current MDS. Planned PAA and Planned aircrews from this product as well as If analysis shows that this product does need time periods as Employment Day and Employment Location from the Order Assignments product. غ

DATA ELEMENTS:

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Element Name	Order Identifier Order Date Order Change Number Order Classification Tasked Unit Name Unit WMP Sortie Duration Unit Planned Sortie Duration Fly Day Start Time Fly Day Duration Shift Aircrew Percentage Shift Start Time	Shift Duration

PARAMETER SELECTION SCREEN:

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			401TFW	- 5	10	2	36	3
			48TFW	2	10	2	80	3
			SOTFW	2	10	2	95	3
			SZTFW	2	18	2	95	3
			81TF1	12	10	2	95	3
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SCREEN TITLE: WING OPERATIONS RATES



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SCREEN NUMBER: MAJ.TASK. .T

SCREEN PURPOSE:

Display the operation rates to be used by the tasked units in the OPLAN/task.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the aircraft and mission tasking, the Battle Staff is reviewing the operation rates and data planned for the units tasked in USAFE's OPORD/task.

CLASSIFICATION:

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS. This type of data is expected to be maintained by the unit (turn time, maint attrition, etc.). However, the user may modify it as needed for "what-if" queries.

RELATED SCREENS:

Aircraft Tasking
Mission Tasking Detail Summary
Mission Profile Definition
Mission Tasking
Order Assignments
Wing Flying Day
Munition Tasking [Planned; not included]
Unit Tasking [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- a. Delete Combat Attrition rate from here and move to the Mission Profile Definition Product.
- b. Add aircraft Battle Damage Repair (BDR) rate.

DATA ELEMENTS:

Element Name

DRD #

54A	54K	59B	59C	59D	59E	59F	H65		
Order Identifier	Order Classification	Tasked Unit Name	Turn Time For Unit Order	Period Start Day	Period End Dav	Maint Attrit Rate For Unit Order	Aircraft Repair Rate For Unit Order	Min Time Between Takeoffs For Unit Order	Combat Attrition Rate For Unit Order

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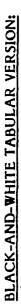
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PAGE 1 OF 3

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SEGMENT 1 OF 1

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						RIM-9P	400
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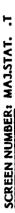






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SCREEN PURPOSE:

Display the resource resupply schedule planned for the units tasked in the USAFE OPLAN/task.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

Having reviewed the various capability products, the Battle Staff is reviewing the resupply schedule for the tasked units.

CLASSIFICATION

This display will normally be UNCLASSIFIED but may be classified SECRET for some theatre OPLAN resupply schedules.

ASSUMPTIONS:

- a. The fuel resupplied is the same type that is stocked at the unit's base.
- b. The unit is employed in-place.
- c. Munitions quantities are "whole up" rounds.

DATA SOURCE

The data is input by the user or transmitted to HQ USAFE by HQ USAF via AFIRMS. This type of data (dispensing theatre depot stocks to the units) is expected to be maintained by the HQ USAFE for a particular OPLAN. It may also be maintained and used by the USAFE staff to update unit resource inventories with planned out-year purchases for out-year Program Objective Memorandum (POM) assessments.

RELATED SCREENS:

Mission Profile Definition
Integrated Capability (Ref. Section 1.2)
Individual Resource Capability (Ref. Section 1.2)
Fuels Capability (Ref. Section 1.2)
Base Fuels Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)
Aircraft Capability (Planned; not included]
Aircrew Capability [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging/Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES:

- Add a column for fuels type. Need to distinguish between the different grades of fuel being resupplied.
- b. Add a column for Unit Resupply Base (should equal the employment base). As currently designed, the quantity resupplied added to the unit's home base current amount --which is alright if the unit is employed in-place.

10/1-33

DATA ELEMENTS:

PARAGORE TO SERVICE TO

DRD #	13A	138	20H	20F	20F
Element Name	Unit Name Owning Resource	Resource Name	Resource Resupply Label	Resource Resupply Day	Resource Resupply Quantity

PARAMETER SELECTION SCREEN:

RESUPPLY SCHEDULE PARAMETER SCREEN	NAMENT: PEACE EXERCISE CRISIS PAGE 1 of 1	RESUPPLY LABEL	. UNIT NAME ALL UNITS	. RESUPPLY DAY ALL DAYS	. MUNITION TYPE ALL MUNITIONS	TEST ACTUAL	ISPLAY RETURN RETURN RODUCT RODUCT MENU MENU	8 7 8
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2ND ARRAY OF PARAMETER SCREEN KEYS

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SCREEN TITLE: OPLAN/OPORD ASSOCIATIONS

SCREEN NUMBER: MAJ.TASK. .T

SCREEN PURPOSE:

Display the on-line runs already made with the Sortie Generation Model (SGM) and provide the means to associate different sets of tasking and resource data together for input to the SGM. This also facilitates "what-ifing" unit readiness/capability issues, e.g., unit tasking with a different distribution of resources.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

The user wants to either (I) see what OPLAN/OPORD labels to use as parameter choices for the Tasking and Capability products, (2) see what tasking and resource data sets were used for a specific run of the SGM, or (3) set up a run of the SGM. The model uses the OPLAN/OPORD Label from this product to

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE: The user.

RELATED SCREENS:

All of the products in this section and section 1.2.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, and 9-16.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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PARAMETER SELECTION SCREEN:

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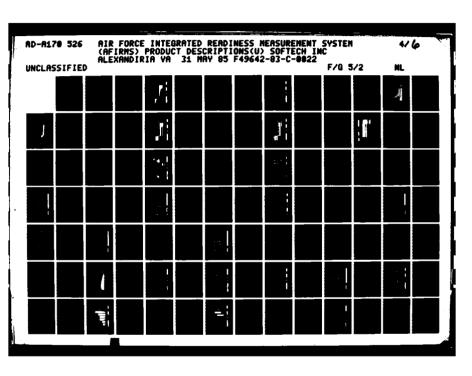


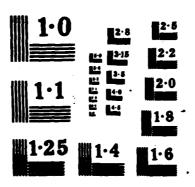
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The product screens in this section provide the OSC/CSS user with the assessments of the unit resources, both possessed and allocated, to support the tasking that was defined in the previous section.

SCREEN TITLE

Integrated Capability
Individual Resource Capability
Aircraft Spares Support Capability
MICAP Forecast
Fuels Capability
Base Fuels Capability
Munitions Capability
Base Fuels Capability
Base Munitions Shortfall Detail [Planned; not included]
Base Munitions Capability [Planned; not included]
Asse Munitions Capability [Planned; not included]
Base Munitions Capability [Planned; not included]
Aircrew Capability [Planned; not included]
Aircrew Capability [Planned; not included]
Maintenance Support Capability [Planned; not included]

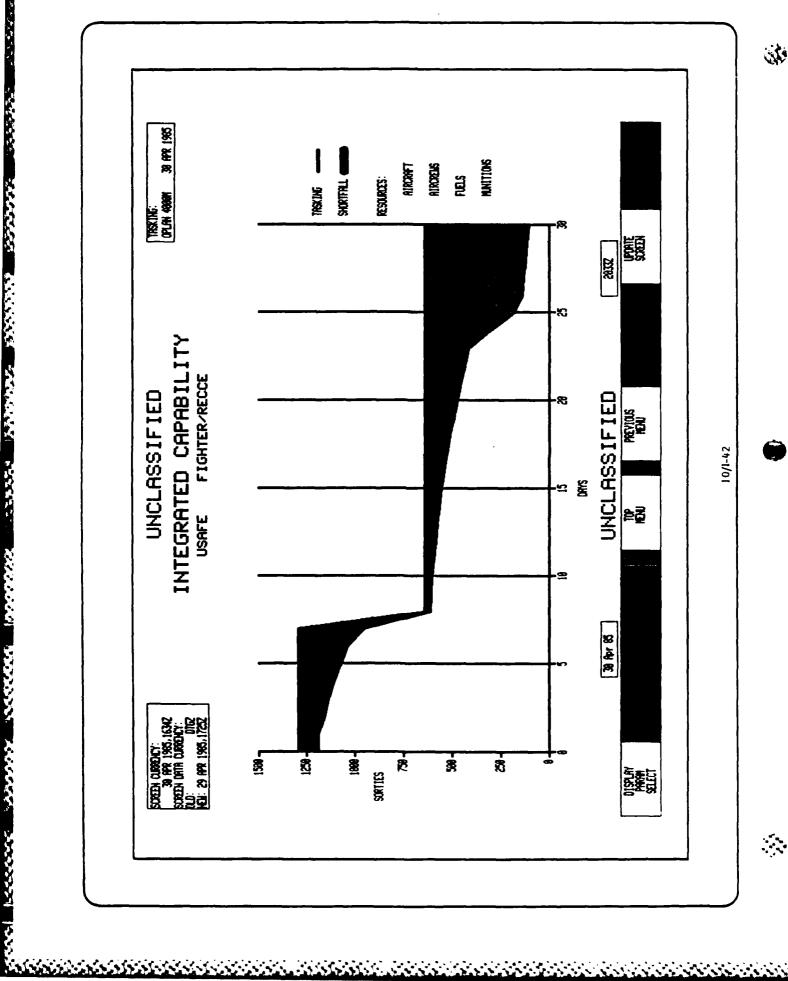
The basic concept behind the capability screens in this section is that a capability can be computed only when there is a specific task to accomplish. Therefore, a basic assumption for reviewing these screens is that a task (with all the required task and resource parameters) has been entered. In addition, these screens are reviewed after a Sortie Generation Model, or SGM, has been executed to compute the capability assessments.

One of the main AFIRMS concepts is that the readiness or capability to do a task is determined unit by unit, then aggregated by task force or MAJCOM, and, finally, further aggregated Air Force-wide, if necessary. Computing readiness assessments at unit level should provide more realistic assessments than those currently made with macro-level data (which inherently imply a perfect allocation and/or instantaneous redistribution of resources).

There are a number of interactions that can be done with the system. A very common interaction will be to make "what-if" queries and change the tasking data, the resource parameters, and/or the unit resource quantities. The point to remember is that modifying any of this data affects many products. For example, the sortie duration affects spares, fuels, and maintenance support. If it is changed after seeing the spares capability, the fuels and maintenance support capabilities would also be affected. Similarly, changing the sortie rate would affect all of the tasking and capability displays.



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SCREEN TITLE: INTEGRATED CAPABILITY

SCREEN NUMBER: MAJ.CAP. .G

SCREEN PURPOSE:

Display the aggregate tasking and the integrated capability of the resources to support the tasking.

USERS:

PRIMARY: Battle Staff

SUPPORTING: LRC

SCENARIO: (Reference baseline scenario.)

After having assessed the size and shape of the task, the Battle Staff and the LRC want to see the integrated ability of the USAFE fighter and recce unit resources to support their task.

CLASSIFICATION

The normal classification is expected to be SECRET, though it could be TOP SECRET depending on the OPLAN/task's security instructions. However, if the task is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- The task data has been entered, units tasked, and the units possess or have been allocated resources.
- All assumptions applicable to the individual resource area assessments also apply to this display.
- c. The individual resources constrain one another, e.g., fuels and munition resources are not expended on sorties not flown because of a spares shortfall.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with other assessment systems such as CSMS.

RELATED SCREENS:

Individual Resource Capability
Aircraft Spares Support Capability
Munitions Capability
Fuels Capability
Aircrew Capability [Planned; not included]
TRAP Capability [Planned; not included]
Maintenance Support Capability [Planned; not included]

DISPLAY SCREEN FEATURES! (See Product Display Screen Features, page 3-8.)
DISPLAY SCREEN FUNCTION KEYS! (See Product Display

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

DRD # Unit Mission
Aircraft Unit Name
Aircraft MDS
Order Identification
Order Change Number
Order Classification
Tasked Unit Name
Unit Employment Day
Unit Daily Sortie Task
Unit Daily Sortie Task
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		INI	ECRATI	ED CAPABILI	INTEGRATED CAPABILITY PARAMETER SCREEN	SCREEN	:		
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IST ARRAY OF PARAMETER SCREEN KEYS

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2ND ARRAY OF PARAMETER SCREEN KEYS 6 KEY

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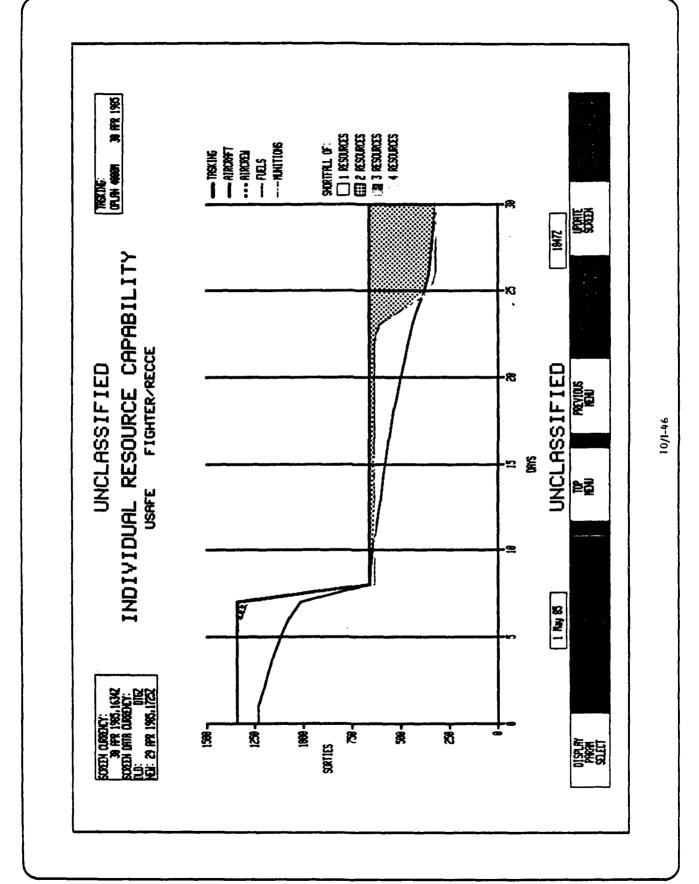


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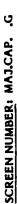
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SCREEN TITLE: INDIVIDUAL RESOURCE CAPABILITY

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SCREEN PURPOSE:

Display the aggregate tasking and the relative capability, in an overlay format, of individual resources to support the tasking.

USERS

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

After seeing the integrated capability of the resources to support the OPLAN/task, the LRC now want to see the relative capability of the individual resources (think of each resource readiness line as an overlay). Also of interest is the point at which the resources become concurrent shortfalls, e.g., when 2 or more of the displayed resources are simultaneous limiting factors.

CLASSIFICATION:

The normal classification is expected to be SECRET, though it could be TOP SECRET depending on the OPLAN/task's security instructions. However, if this is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS:

- The tasking data has been entered, units tasked, and the units possess or have been allocated resources.
- All assumptions applicable to the individual resource area assessments also apply to this assessment.
- c. The resource assessments can be computed in either of two modes: the resources constraining each other and unconstrained. This assessment was computed assuming that the resources, except for munitions, did constrain each other, e.g., fuels capability was computed assuming that munitions were not a limiting factor but aircraft and aircrews were limiting factors.

DATA SOURCE

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with other assessment systems such as CSMS.

RELATED SCREENS:

Integrated Capability
Aircraft Spares Support Capability
Munitions Capability
Fuels Capability
Aircraw Capability

Aircrew Capability (Planned; not included)
TRAP Capability (Planned; not included)
Maintenance Support Capability (Planned; not included)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES! None.

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PARAMETER SELECTION SCREEN:

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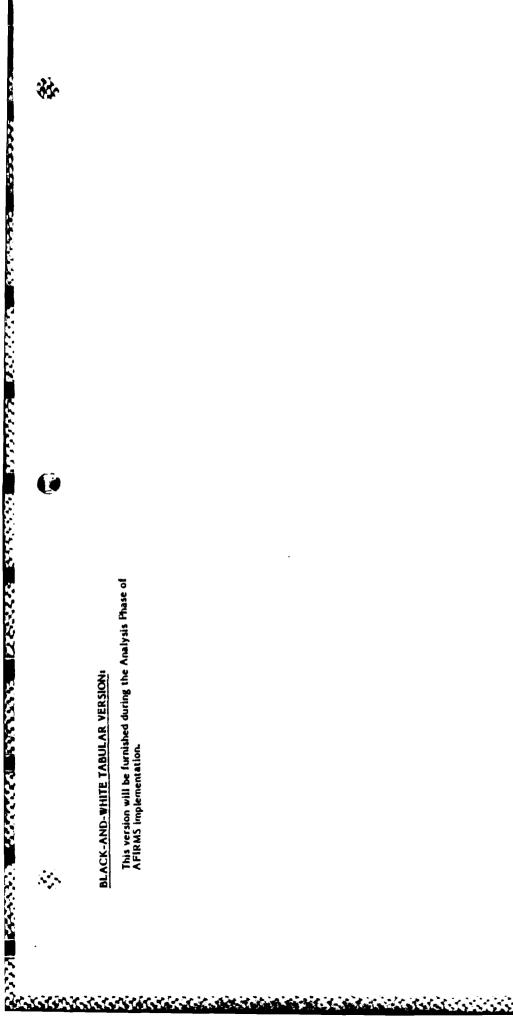
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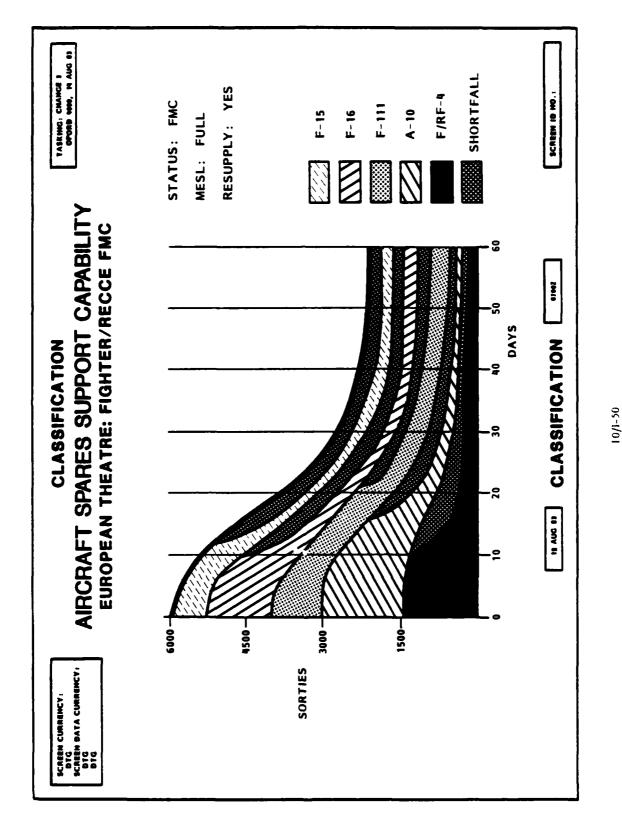
KEY # 9 10 11
2ND ARRAY OF PARAMETER SCREEN KEYS

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SCREEN TITLE: AIRCRAFT SPARES SUPPORT CAPABILITY

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SCREEN NUMBER: MAJ.CAP. .G

SCREEN PURPOSE:

Display the aggregated aircraft spares capability, independent of other resource, to support the tasking for the aircraft selected.

USERS:

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

The LRC has reviewed the tasking and the individual and integrated ability of the various resources to support the task. Some shortfalls were noted in the spares capability to support the task. The LRC and appropriate action officers are investigating the specific aircraft MD spares support.

CLASSIFICATION

Normal classification is expected to be SECRET, though it could vary depending on the OPLAN/task's security instructions. Additionally, if this is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

ASSUMPTIONS

- a. The tasking data has been entered, units tasked, and the units
- possess or have been allocated resources.

 Aircraft capability assessment can use Fully Mission Capable (FMC) only or include Partially Mission Capable (PMC) depending on the parameter selected. The Minimum Essential Subsystem List (MESL) for the appropriate theatre is used but may be modified if desired for what-if iterations.
 - c. Standard unit DOC, OPLAN/OPORD, WMP sortie rates and duration (or objective sortie rates and duration) may be used for "what-if" tasks or resource usage.
 - d. Spares assessment has been computed by wing and aggregated.
 e. Maintenance can repair the aircraft if the parts are available.
 f. Spare parts demand rate progresses linearly with the sortie
- Spare parts demand rate progresses linearly with the sortie rate/flying hours. (This may overstate the spares need if the sortie rate used is higher than the peacetime utilization ("Ute") rate. It may also understate the actual need if the input sortie rate is less than the peacetime "Ute" rate.)

ASSUMPTIONS: (Cont.)

- g. Climate changes will have no effect on the Line Replaceable Unit/Shop Replaceable Unit failure rate (e.g., demand rate).
- Theatre demand rates for a spare (if available) may be used in lieu of the Air Force-wide experience. (in fact, objective demand rates may be used for "what-if" queries.)
 - i. If assessments are made using data from CSMS all assumptions applicable to those systems will also apply here.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with assessment systems such as CSMS.

RELATED SCREENS

Integrated Capability Individual Resource Capability MICAP Forecast DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

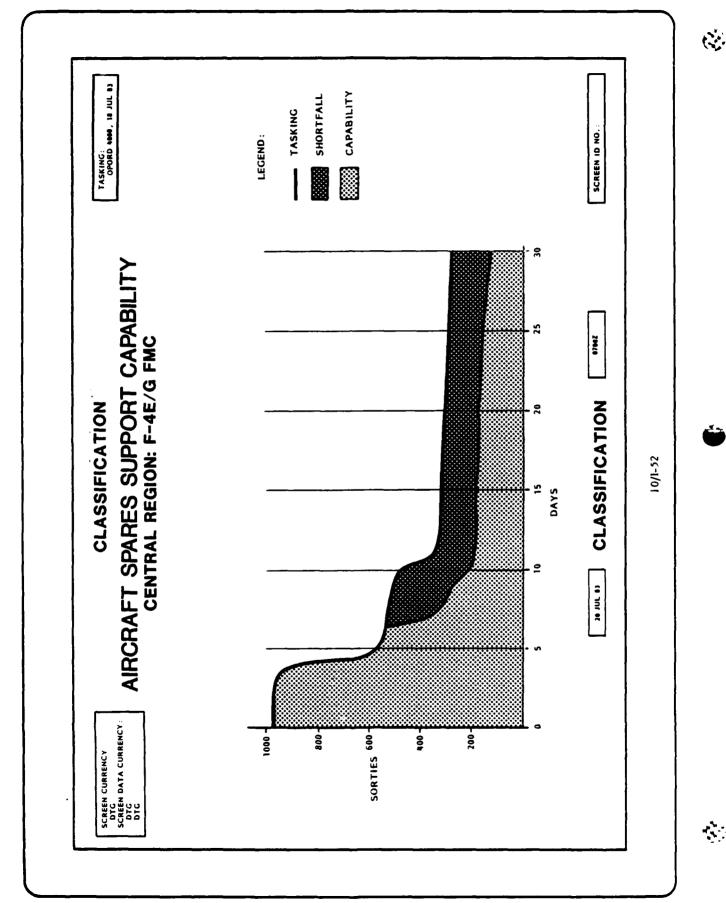
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

The version will be furnished during the Analysis Phase of AFIRMS implementation.







THE PROPERTY OF THE PROPERTY O

SCREEN TITLE: AIRCRAFT SPARES SUPPORT CAPABILITY (VARIATION I)

SCREEN NUMBER: MAJ.CAP. .G

SCREEN PURPOSE:

Display the Central Region aircraft capability for the MDSs selected.

SCENARIO

The LRC and appropriate action officers are investigating the FMC F-4 E/G spares support in the Central Region.

SCREEN CURRENCY: DTG SCREEN DATA CURRENCY: DTG DTG

CLASSIFICATION

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MICAP FORECAST CENTRAL REGION: F-4E/G

DAY 15

TASKING: OPORD 4000, 18 JUL 83

WUC	WORK UNIT	FSC	NOMENCLATURE	NEEDED
35.	756 MISSILE FIRING CIRCUITS	1430	1930 GUIDED MISSILE REMOTE CONTROL SYSTEM	15
Ħ.	71H NAVIGATION SYSTEM	5109	6015 AUTO PILOT AND AIRBORNE GYRO COMPONENTS	Q
=	13 LAMDING GEAR	2620	2620 TIRES AND TUBES	35

CLASSIFICATION

20 JUL 83

TION NOIT

SCREEN ID NO.

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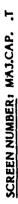




SCREEN TITLE: MICAP FORECAST

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SCREEN PURPOSE:

Display the critical spares for the F-4E/G which are causing the problem.

USER

PRIMARY: LRC

SUPPORTING: Battle Staff

CLASSIFICATIONS

Normal classification is expected to be SECRET, though it could vary depending on the OPORD/task's security instructions. Additionally, if this is a "what-if" exercise, it could be UNCLASSIFIED. Therefore, the classification must be determined by the user building the task.

SCENARIO: (Reference baseline scenario.)

After reviewing the F-4E/G spares capability, a list of the troublesome systems on Day 15 is desired.

ASSUMPTIONS:

- a. The tasking data has been entered, units tasked, and the
- units possess or have been allocated resources.

 b. Aircraft capability assessment can use FMC only or include PMC depending on the parameter selected. The MESL for the appropriate theatre is used but may be modified if desired for what-if iterations.
 - c. Standard unit DOC, OPLAN/OPORD, WMP sortie rates and duration (or objective sortie rates and duration) may be used for "what-if" tasks or resource usage.
 - Spares assessment has been computed by wing and aggregated.
- e. Maintenance can repair the aircraft if the parts are available.
- f. Spare parts demand rate progresses linearly with the sortie rate/flying hours. (This may overstate the spares need if the sortie rate used is higher than the peacetime "Ute" rate. It may also understate the actual need if the input sortie rate is less than the peacetime "Ute" rate.)

ASSUMPTIONS: (Cont.)

- g. Climate changes will have no effect on the Line Replaceable Unit/Shop Replaceable Unit failure rate (e.g., demand rate).
- Theatre demand rates for a spare (if available) may be used in lieu of the Air Force-wide experience. (In fact, objective demand rates may be used for "what-if" queries.)
 - i. If assessments are made using data from CSMS, all assumptions applicable to those systems will also apply here.

DATA SOURCE:

The tasking data is computed as described in the Translate Tasking Requirements section. The capability assessment is computed with the AFIRMS Sortie Generation Model. Some assessment data may be obtained through interfaces with assessment systems such as CSMS.

RELATED SCREENS:

Aircraft Spares Support Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and Scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

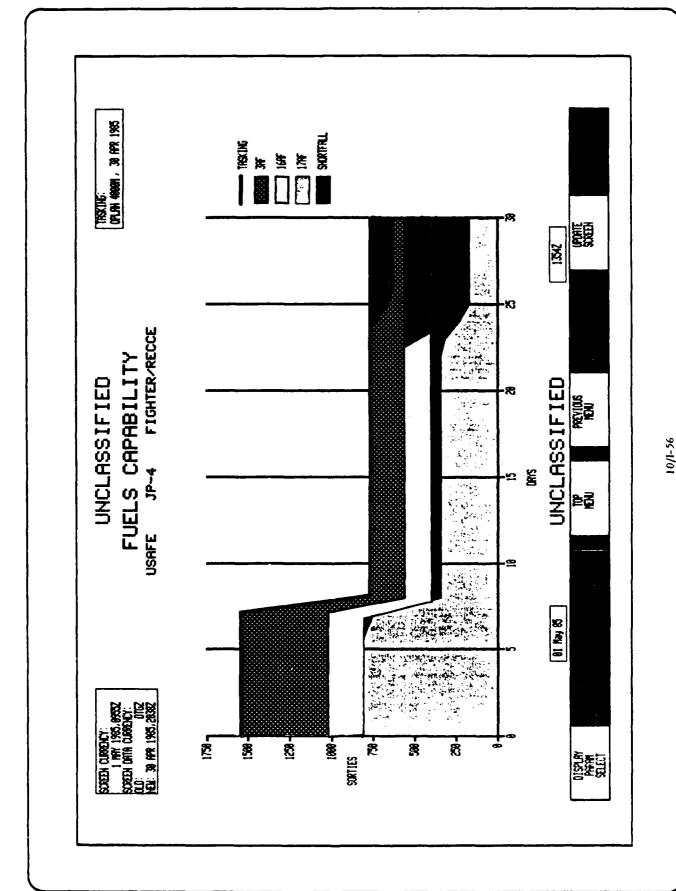
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

The version will be furnished during the Analysis Phase of AFIRMS implementation.



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THE PROPERTY OF THE PROPERTY O

SCREEN TITLE: FUELS CAPABILITY

SCREEN NUMBER: MAJ.CAP

SCREEN PURPOSE

Display the aggregate fuels capability for a region or MAJCOM to support the region and/or theatre tasking.

USERS

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

the task. The LRC and appropriate action officers are investigating the specific resource areas. The fuels capability is being reviewed to determine where the fuels shortfall(s) integrated ability of the various resources to support the task. Some shortfalls were noted in the fuels capability to support The CSS has reviewed the tasking and the individual and exist(s).

CLASSIFICATIONS

Normal classification is expected to be SECRET though it can be as high as TOP SECRET depending on the OPLAN. If it is a "what-if" task it can be UNCLASSIFIED. The capability classification depends on the task's (a DOC, WMP, OPLAN, or "what-if") classification.

ASSUMPTIONS

- Theatre or region fuel receiving, storage, and transportation system (including Central European Pipeline System or CEPS) is not damaged. This may be modified for what-if" queries. æ
- NATO Stage A cross-servicing and civilian fuel stocks are not considered. ۵
- Sortie duration and fuel consumption are specified by the tasking (e.g., OPLAN/OPORD, unit DOC, or WMP). ن
- Fuels assessments are made by base/wing and aggregated. ÷
- Aircraft air aborts and weather attrition factors are not considered, ij

DATA SOURCE

inventory data is input at the wing for US bases and HQ USAFE for non-US bases. If an interface is developed with CFMS, the inventory data could be obtained from CFMS. computed by the AFIRMS Sortie Generation Model. The fuels The tasking data is computed as described in the Tasking Requirements section. The fuels capability assessment is

RELATED SCREENS:

Individual Resource Capability Integrated Capability Base Fuels Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys No. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGE

The product must tell the user if resupply was used in the assessment computations.

Unit Mission	C
Order Identification	54A
Order Date	54E
Order Change Number	545
Order Classification	34K
Unit Employment Day	36F
Unit Name for Tasked Unit	73A
Resource Type Supporting Unit Task	73C
Unit Daily Recourse Sortie Canability	730

PARAMETER SELECTION SCREENS

FUELS CAPABILITY PARAMETER SCREEN	PEACE EXERCISE CRISIS	1. ORDER IDENTIFICATION	ELS TYPE 39-4	RECAST PERIOD 30	WMAND UNIT USAFE	UNIT MISSION FIGHTER/REECE	TAN 4000M	RETURN RETURN HELP TO TOP PREVIOUS MENU MENU	
	PEACE EXER	ORDER IDENTIFIC	FUELS TYPE 3P-4	FORECAST PERIOD	COMMAND UNIT USAFE	INIT MISSION FICHTER/RE	OPLAN 4000M		
	ENVIRONMENT:	9	~ ~	mi	ď	ت ان	D	DISPLAY	

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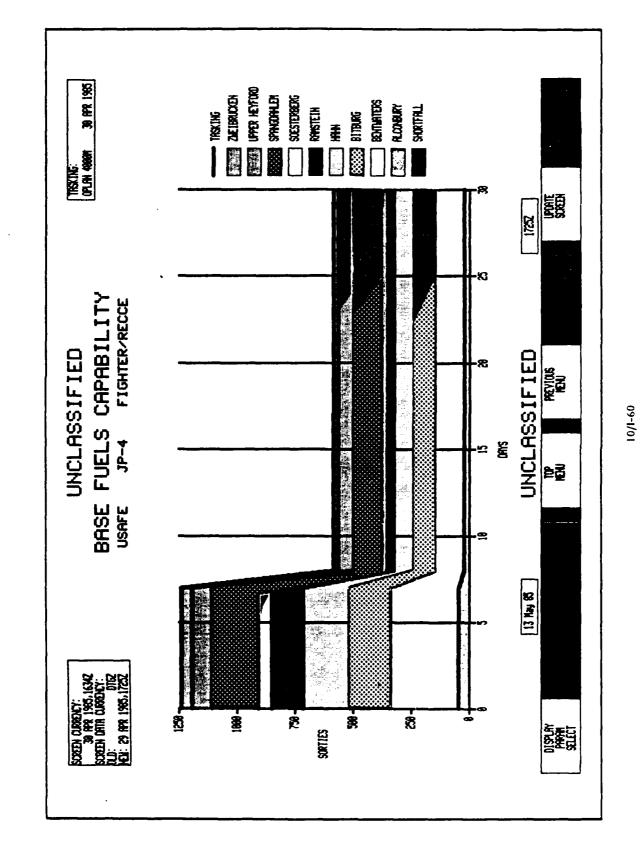
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SCREEN PURPOSE:

Display the aggregate fuels capability for multiple air bases over time and the ability of each air base fuels section to support the tasking.

JSERS:

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

Having reviewed the region and/or theatre fuels capability assessment (with and without resupply), the LRC is reviewing the fuels capability of the air bases.

CLASSIFICATIONS

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS

- a. The tasking data has been entered, units tasked, and the units possess or have been allocated fuels resources.
- b. No damage to fuel transportation/receiving/storage capability including CEPS. This may be modified for "what-if" queries.
- c. NATO Stage A cross-servicing and civilian fuel stocks are not considered.
- d. Sortie duration and fuel consumption are specified by the tasking. These are changeable for "what-if" queries.
- Aircraft air aborts and weather attrition factors are not considered.

DATA SOURCE

The tasking data is computed as described in the Tasking Requirements section. The fuels capability assessment is computed by the AFIRMS Sortie Generation Model. The fuels inventory data is input at the wing for US bases and at MAJCOM for non-US bases. If an interface is developed with CFMS, the inventory data could be obtained from CFMS.

RELATED SCREENS:

Fuel Capability
Base Fuels Capability Detail [Planned; not included]
Individual Resource Capability
Integrated Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES:

The product must tell the user whether fuels resupply is used in the capability assessment.

DATA ELEMENTS:

DRD /	10	24A	54E	2 ¢C	24K	56E	56F	73A	73C	730
Element Name	Unit Mission	Order Identifier	Order Date	Order Change Number	Order Classification	Base Name	Unit Employment Day	Unit Name For Tasked Unit	Resource Type Supporting Unit Task	This Daily Decourse Sertie Canability

PARAMETER SELECTION SCREENS

		BASE	FUELS C/	APABILIT	BASE FUELS CAPABILITY PARAMETER SCREEN	SCREEN			
ENVIRONMENT	PEACE	EXERCISE	CRISIS				PAGE 1 of 1		
ORDEF	I. ORDER IDENTIFICATION OPLAN 4000M	ICATION BOM	٥	6. BASE NAME ALCON BENTW	NAME ALCONBURY BENTWATERS				
FUELS TYPE JP-4	S TYPE JP-4			BITBU HAHN RAMSI	BITBURG HAHN RAMSTEIN SOFSTERBERG		Choose a minimum of 1 value and a maximum of 9.	r - r of 9.	
FOREC	3. FORECAST PERIOD	goi		A P S	SPANGDAHLEM UPPER HEYFORD ZWEIBRUCKEN	~~~	ALCONNOR T AVIANO BENTWATERS BITMIRG HAHN		
COMM	COMMAND UNIT USAFE	L					LEKENHEATH LEPHEIM NORVENK H RAMSTEIN SFAIBACH		
N TINO	UNIT MISSION FIGHTER/REECE	REECE				WW-2 N	SOESTERBERG SPANCIDAHLEM TOKKE DON UPPER HEYFORD ZWEIBRUK KEN		
DISPLAY		==	×-2	RETURN TO TOP MENU	RETURN PREVIOUS MENU	HELP			1
1	'].],	- - - - - - - -		┨

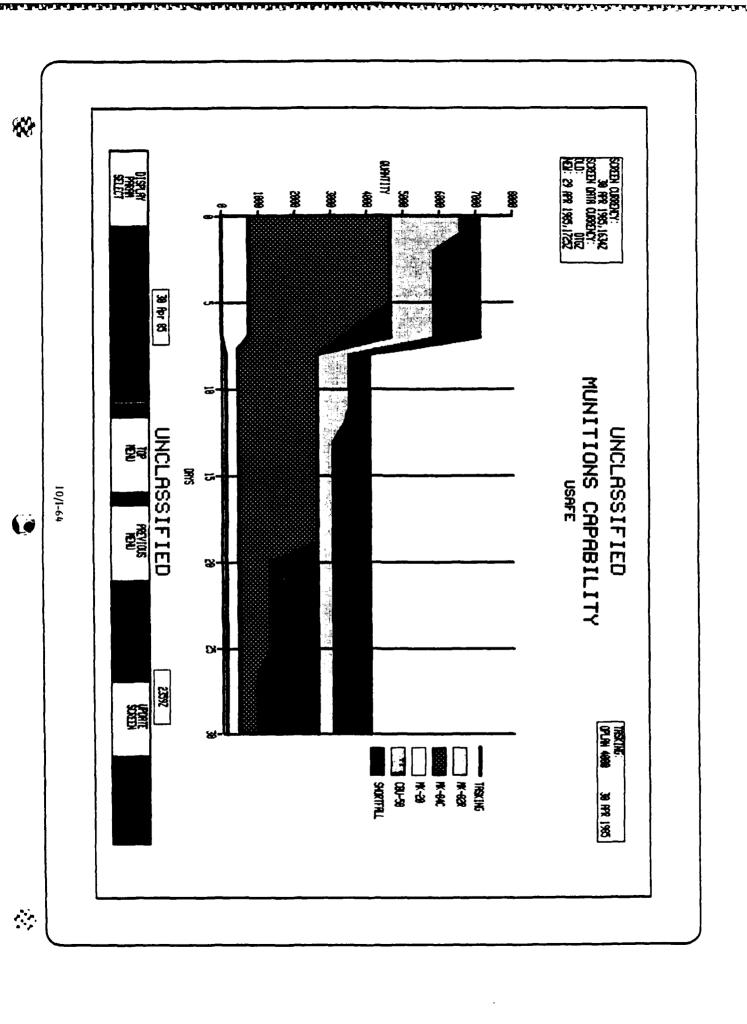
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NOTEGORIA TOSSOSSE

Ġ SCREEN NUMBER: MAJ.CAP.

SCREEN PURPOSE

Display the aggregate tasking by munition type over time and the ability to fill that tasking.

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

moment is the European theatre munitions capability of MK-20, MK-82, and CBU-58. capability to support the tasking. Of particular interest at the Having reviewed the tasking and the Individual Resource and Integrated Capability, the LRC is reviewing the munitions

CLASSIFICATIONS

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- The munition build-up uses a standard dictionary with the operations staff deciding the priority of build. તં
- munitions according to the substitution tree made by the operations staff. The system will automatically substitute munitions if more than one SCL is entered for a mission Other munitions can be substituted for the preferred (see Mission Profile Definition product). 4
- Base-level munition capability is computed and aggregated to obtain the theatre's ability. ن
- Current base munitions inventories are used in this assessment. ö
- Munitions capability is not constrained by aircrew qualifications (that would be an aircrew shortfall) i

DATA SOURCE:

Requirements section. The munitions capability assessment is munitions inventory data is input at the base for US bases and computed by the AFIRMS Sortie Generation Model. The base Ammunition System (CAS), the inventory data could then be munition depot stocks is entered via the Resupply Schedule by HQ USAFE for non-US bases. Distribution of theatre product. If an interface is developed with the Combat The tasking is computed as described in the Tasking obtained from CAS.

RELATED SCREENS:

Resupply Schedule
Base Munitions Capability [Planned; not included]
Base Munitions Capability Detail [Planned; not included]
Munitions Shortfall Detail [Planned; not included] Individual Resource Capability Integrated Capability Mission Profile Definition Munitions Status

DISPLAY SCREEN FEATURE: (See Product Display Screen Features, page 3-8)

Dynamic Legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9)

Keys no. 1, 3, 4, 5, 6, and 7.

RECOMMENDED CHANGES:

The product must tell the user whether munitions resupply or substitution is used in the capability assessment.

DATA ELEMENTS:

DRD #	54A 54E	54C	24K	26A	56F	73C	73F	73L
Element Name	Order Identifier Order Date	Order Change Number	Order Classification	Tasked Unit Name	Unit Employment Day	Resource Type Supporting Unit Task	Unit Daily Resource Quantity Capable	Unit Daily Resource Amount Tasked

PARAMETER SELECTION SCREEN:

			↑	
		·		•
	PAGE 1 of 1	Write in a value,		7
SCREEN		ii.	HELP	•
MUNITIONS CAPABILITY PARAMETER SCREEN			RETURN PREVIOUS MENU	v
NS CAPABILITY	SIS		RETURN TO TOP MENU	•
INITIO	CRISIS			_
MI	EXERCISE	ATION d		,-
	PEACE	DENTIFIC DENTIFIC NO TYPES 20 42R 42R 1-58 1-58 1-58 1-58 1-58 1-58 1-58 1-58		•
	ENVIRONMENT:	1. ORDER IDENTIFICATION 2. MUNITION TYPES MK-20 MK-20 MK-20 MK-20 MK-20 3. FORECAST PERIOD 3. FORECAST PERIOD 4. COMMAND UNIT USAFE	DISPLAY	•
<u> </u>	Ä			2

IST ARRAY OF PARAMETER SCREEN KEYS KEY

→	PACE REVERSE	FULL PG HALF PG	PACE FORWARD		SELECT PARAM VALUE		DELETE PARAM VALUE	ENTER PARAM VALUE	
KEY	6#	10	11	12	13	ž	15	16	

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1.3 Determine Unit/Base Resource Status Products

The product screens in this section support the OSC/CSS activities in determining the status of resource support capability of the wings/bases during a contingency.

SCREEN TITLE

Base Communications Status Detail [Planned; not included] Aircraft Spares Status [Planned; not included] Maintenance Status [Planned; not included] Aerial Port Status [Planned; not included] Base Fuels Status [Planned; not included] Communication Support Status Base Status (Output version) Unit Status (Output version) Base Status (Input version) Unit Status (Input version) Wing Resource Summary Resource Reallocation Attrition Statistics **Munitions Status Attrition Trends** Base Status Map Fuel Status Map

There is a hierarchy to the resource status screens in this section. The idea is to provide the status information at a high, summarized level and, then, if more detail is needed, to move down within the hierarchy to a lower level display containing increasing amounts of detail and covering a narrower focus. There will be about four display levels, with the lowest level containing detailed unit information including the commander's remarks.

The basic concept of each screen is to highlight problem areas so the user/viewer can spot those quickly and then, if desired, scan the "good" areas.

User interaction will generally be of two types:

- Screen interrogation with the cursor, if more detail on a single base or unit is desired.
- Duplicating unit resource data (used in computing unit capability) and modifying it for what-if queries.

The latter interaction will affect the respective resource capability screens in the previous section, but will not affect the tasking screens.

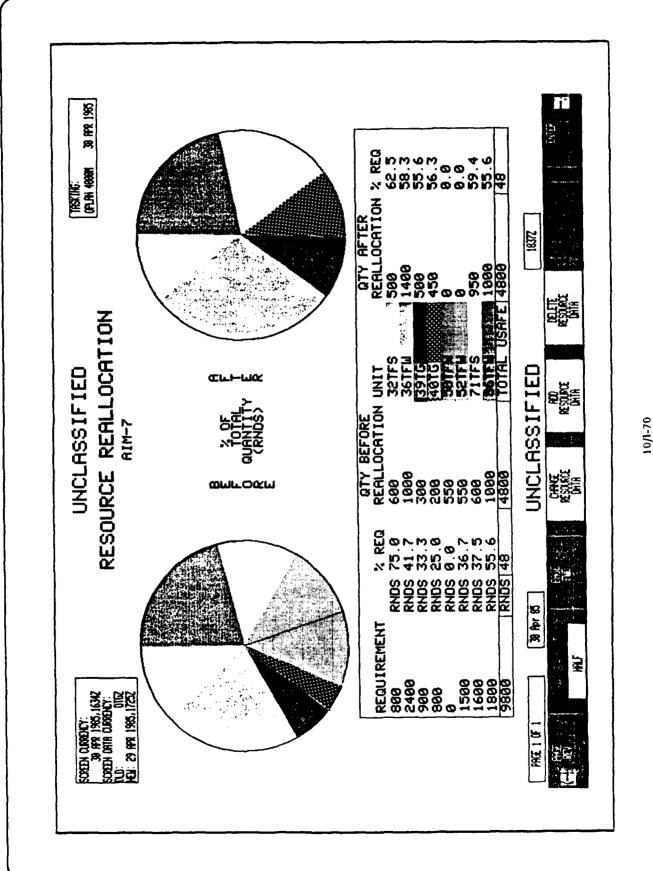




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SCREEN TITLE: RESOURCE REALLOCATION

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SCREEN NUMBER: MAJSTAT. .G

SCREEN PURPOSE

Display the distribution of resources before and after any reallocation among the units.

USERS

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

In this instance, the Battle Staff has asked the LRC to reallocate the AIM-7 munitions to equalize the unit pro rata distribution. The LRC is evaluating the impact on other units.

CLASSIFICATIONS

The normal classification is expected to be SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Fuels and munitions inventory data is available.
- b. Fuels and munitions requirements data is available.
- c. Proposed reallocation data has been entered.

DATA SOURCE

The resource requirement/tasking is computed by AFIRMS at unit level and aggregated. It may also be input as a lump sum by the user. The resource inventory data is input by the unit/base for US bases and by the MAJCOM for theatre stocks and non-U.S. bases. If interfaces are developed with CFMS and CAS, the inventory data could be obtained from those systems.

RELATED SCREENS:

Munitions Status USAF Munitions Inventory Detail [Planned; not included] Fuels Status [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

Paging/Scrolling

The pie chart (is special programming)
(The pie chart, "% REQ" percentages and "TOTAL USAFE" totals are not database values but are computed by the program each time the product is displayed)

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16.

RECOMMENDED CHANGES

Change the unit names to base names.

DATA ELEMENTS:

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DRD #	5E 54A 54F	2 2 2 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	56A 73L	13H 13K
Element Name	Resource Unit of Measure Order Identifier	Order Change Number Order Classification	Tasked Unit Name Resource Amount Tasked/Required	Resource Current Amount Resource Reallocated Amount

PARAMETER SELECTION SCREEN:

<u></u>			&	SOUCE	REALLOCATH	RESOUCE REALLOCATION PARAMETER SCREEN	SCREEN			
m N	ENVIRONMENT.	PEACE	EXERCISE	CRISIS	SIS			PAGE 1 of 1	1 00	
	[
	 	JER IDEN	I. ORDER IDENTIFICATION	-			¥	Write in a value,	lue,	
	2. RES	RESOURCE AIM-7								
										_
_										
	OPL	OPLAN 4666M	_							_
	DISPLAY				RETURN TO TOP MENU	RETURN PREVIOUS MENU	HELP			<u>^</u>
KEY		7		•	•	\$	9	,	•	
IST A	IST ARRAY OF PARAMETER SCREEN KEYS	RAMETE	R SCREEN	KEYS						

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FORWARD F		ENTER
	M PARAM	PARAM
		VALUE

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2ND ARRAY OF PARAMETER SCREEN KEYS KEY



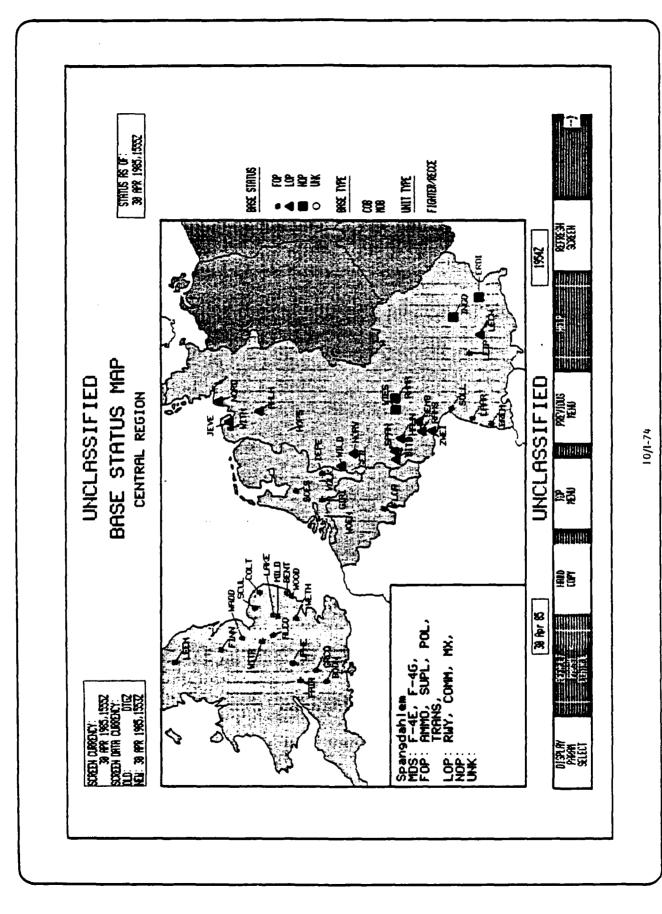






This version will be furnished during the Analysis Phase of AFIRMS Implementation.

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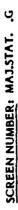




SCREEN TITLE: STATUS MAP

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SCREEN PURPOSE:

To provide a high level review of the operational status of bases or base resource areas with a geographical context. Limited detail pertaining to the status of any of the displayed bases is also available.

USERS

PRIMARY: Battle Staff

SUPPORTING: LRC, ALCC, JRCC, ESRC, PRC, Communications RC, Reports Cell

SCENARIO! (Reference baseline scenario.)

Before reviewing the various base, unit, and/or resource status reports, the senior staff is reviewing the operational status of the U.S. fighter and reconnaissance Main Operating Bases (MOBs) and Collocated Operating Bases (COBs) in the Central Region.

CLASSIFICATION

SECRET when a base's operational status is not fully operational or when the unit's MDS and base location are associated with a specific exercise or crisis scenario.

ASSUMPTIONS

- AF-wide terms do not have to be used. (COB, FOP, LOP, NOP are unique to USAFE.)
- b. Base operational status criteria and definition do not have to be an AF-wide standard but they must be a MAJCOM-wide standard.

DATA SOURCE

The data is normally input on the Wing's AFIRMS and transmitted to USAFE's AFIRMS database. In due course, USAFE transmits it to the Air Staff AFIRMS database. A backup method is for the USAFE CSS to input the data when the normal method is not possible.

RELATED SCREENS:

Base Status (Output)
Base Status (Input)
Unit Status (Output)
Unit Status (Input)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Ability to interrogate base position for limited information Ability to toggle the base information box off Ability for the user to add and/or delete bases from the map Zoom

Data update notification

Dynamic Legend

Dynamic base display (i.e., choice of base types is a parameter selection)

Base position color coded depending on the value of the base's operational status

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Key no. 1, 3, 4, 5, 6, 7, 17, and 18.

RECOMMENDED CHANGES

- Include an automated way for the nontechnical user to add/delete bases to/from the map.
- 2. Include a Captured category in the base operational status.

DATA ELEMENTS:

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DRD #	C	브	IC IIC	53A	536	53 C	53D	53H	533	96B	296
Element Name	Unit Mission	Unit Short Name	Aircraft MDS	Base Name	Rase Type	Base Geographical Area	Base Status	Base Status As Of DTG	Base Short Name	Resource Name	Resource Status

PARAMETER SELECTION SCREEN:

		į] -
	PAGE 1 of 1	Choose a minimum of i value and a maximum of I. BASE BASE COMMUNICATIONS FUELS MAINTENANCE MUNITIONS SUPPLY SUPPLY TRANSPORTATION	
3.		Choose values BASE COMW FUELS MAINTI MUNITI RUNW SUPPL TRAN	HELP
STATUS MAP PARAMETER SCREEN			RETURN PREVIOUS MENU
ATUS MAP PAR	SIS		RETURN TO TOP MENU
ST,	CRISIS	<u> </u>	r KEYS
	EXERCISE	1. GEOGRAPHIC REGION MAP CENTRAL REGION CENTRAL REGION MOB MOB FIGHTER/REECE FIGHTER/REA A. BASE	R SCREEN
	PEACE	GEOGRAPHIC REC CENTRAL RI BASE TYPE MOB UNIT MISSION FIGHTER/RE FIGHTER/RE BASE	2 RAMETE
	ENVIRONMENT: PEACE EXERCISE	1. GEO 3. UNIT 3. UNIT RESC	PRODUCT PROPUS 3 KEY # 1 2 3 IST ARRAY OF PARAMETER SCREEN KEYS

PAGE FULL PG PAGE SELECT REVERSE HALF PG VALUE

ENTER PARAM VALUE

DELETE PARAM VALUE

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2ND ARRAY OF PARAMETER SCREEN KEYS

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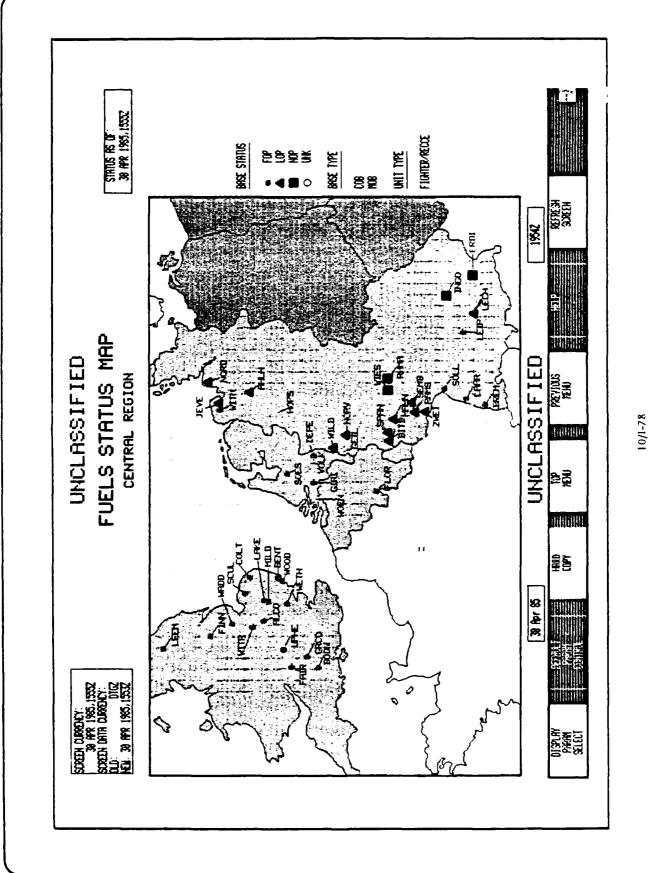
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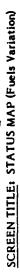
Not applicable. See Base Status product.

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SCREEN NUMBER: MAJ.STAT. .G

SCREEN PURPOSE:

Provide a reference map of area bases color-coded to indicate the base fuels operational status.

SCENARIO: (Reference baseline scenario.)

After receiving the various base, unit, and/or resource status reports, the LRC is reviewing the base fuels operational status at the fighter and reconnaissance MOBs and COBs in Europe's Central Region.

PARAMETER SELECTION SCREEN:

Change the 4th parameter's choice to FUELS versus BASE.

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SCREEN PURPOSE

Display the base status, highlighted to quickly show problem bases/areas. The format is designed for use with a large screen video display.

PRIMARY: Battle Staff

SUPPORTING: LRC, PRC, ESRC, ALCC, JRCC, Reports Cell, SAC Control Element, Communications RC

SCENARIO: (Reference baseline scenario.)

After viewing the Base Status Map, the user desires more information on the bases in Europe.

CLASSIFICATION

This product is UNCLASSIFIED when all bases are fully operational (FOP). When any base becomes limited or not operational (LOP or NOP), the product is SECRET.

ASSUMPTIONS:

- AF-wide terms do not have to be used (e.g., COB, FOP, LOP, NOP are unique to USAFE) ď
- Theatre criteria exist (or will exist) to aid the wing commander in determining the operational status of each wing/base resource. The assessment is subjective. 8
- Base operational status criteria and definition do not have to be an AF-wide standard but they must be a MAJCOM-wide standard. ن

DATA SOURCE:

AFIRMS which, in turn, accumulates the information and reports it to HQ USAF via AFIRMS. The bases report their status to the HQ USAFE OSC via

RELATED SCREENS:

Communication Status Status Map Unit Status

Transportation Status [Planned; not included] Maintenance Status [Planned; not included] Munitions Status [Planned; not included] Supply Status [Planned; not included] Fuels Status [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data Change Indicator Output screen only Paging/Scrolling Field coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1,2,4-7,9-11 and 15.

RECOMMENDED CHANGES

- Unless the product is used for a large screen video, reduce the character size for the color terminal to a 2x2 pixel size.
- Add a column for aircraft MD (not MDS). (Analysis will determine if a second column is needed for bases with multiple MD. Using MD versus MDS will resolve some of that but not all.) ف
- For color terminals, use color codes instead of letters for resource operational status (right side). ن
- Include a Captured category in the base operational status. ü

Delete Base ETIC column (or reduce ETIC to the day, e.g., 06 May).

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- - Include a legend either at the side or on the bottom. ÷
- Add a data sort parameter so the user can view the data in the desired sorted sequence. ÷

DATA ELEMENTS:

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Element Name	Base Country Name	Resource Status						
DRD #	<u> </u>	1F 53A	538	53 C	53D	53E	53F	53H
Element Name	Unit Mission	Onit Name Base Name	Base Type	Base Geographic Area	Base Operational Status	Base Attack Status	Base ETIC	Base Status As of DTG

DRD # 53K 96B 96C

PARAMETER SELECTION SCREEN:

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BLACK-AND-WHITE TABULAR VERSION:

SCREEN: 8 MAY 1985,1411Z OLD: 076 Z NED: 30 APR 1985,1714Z

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STATUS AS OF: 8 MAY 1985,1411Z

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SCREEN TITLE: BASE STATUS (INPUT VERSION)

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SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

This version of the Base Status screen provides an input capability.

SCENARIO: (Reference baseline scenario.)

AFIRMS Communication links are down between HQ USAFE and the units. The CSS has received the base status information via secure telephone other secure means.

DATA SOURCE:

The CSS is inputting the base status data into the data base.

DISPLAY SCREEN FEATURES: See Product Display Screen Features, page 3-8.)

Full Screen Editor Paging and Scrolling Data Change Indicator DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, Page 3-9.)

Keys No. 1, 2, 4-7, and 9-16.

DATA ELEMENTS:

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Element Name

DRD #

536 Base Status Remarks 98-1/01



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SCREB: 8 MAY 1985,1409Z OLD: DT6 Z NEA: 30 APR 1985,1714Z

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STATUS AS OF: 8 MAY 1985,1409Z

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processes execute therefore appropriate themselves appropriate majoritorion

SCREEN TITLE: UNIT STATUS

SCREEN NUMBER: MAJ.STAT.

SCREEN PURPOSE

Display operational status of unit aircraft and aircrews on a large screen video display.

PRIMARY: Battle Staff

SUPPORTING: LRC, PRC, JRCC, ALCC, SAC Control Element, Reports Cell

SCENARIO: (Reference baseline scenario.)

conflict/crisis, it is difficult to keep an accurate "scorecard" of the deploying units to know "who's on first." The biggest need During the excitement and confusion of the initial stages of a for such information is knowing what units are at particular locations that may need support and/or can be used.

CLASSIFICATION

This product is classified SECRET (this is test data).

ASSUMPTIONS: None.

DATA SOURCE:

The units report their status to the HQ USAFE OSC via AFIRMS. USAFE, in turn, accumulates the information and reports it to HQ USAF via AFIRMS.

RELATED SCREENS

Base Status Unit Status (Input)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data change indicator Output screen only Paging/Scrolling Field coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES:

- Unless the product is used for a large screen video, reduce the character size for the color terminal to a 2x2 pixel size.
- For color terminals, use color codes instead of a value for base status. ف
- Delete the Base ETIC. ن
- Delete Aircraft PAA. ÷
- Add a data sort parameter so the user can view the data in the desired sorted sequence. ü
- Add a column for unit mission, i.e., air-air, air-ground. ÷.

DATA ELEMENTS:

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DRD #	13A 13B	130	13H	133	13P	30	53C .	530	53F	533	53K
Element Name	Unit Name Resource Designator (MDS)	Resource Authorized Amount (PAA)	Resource Current Amount (POS)	Base Name	Aircrews MR	Aircraft MC	Base Geographical Area	Base Operational Status	Base ETIC	Base Short Name	Base Country Name

PARAMETER SELECTION SCREEN:

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	PAGE 1 of 3	Choose a minimum of 1 Value and a maximum of 5, ALL MDS FICHTER/REECE AIRLIFT BOMBER RESCUE SUPPORT TANKER A-7 A-10 F-4 F-15 F-16 F-111	
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2ND ARRAY OF PARAMETER SCREEN KEYS
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BLACK-AND-WHITE TABULAR VERSION:

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SCREEN: 15 MAY 1985,1438Z OLD: DT6 Z NEH: 30 APR 1985,1708Z		15 May 15 May 15 May 16 May 1

UNIT STATUS CENTRAL ALL MDS UNCLASSIFIED

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STRIUS AS OF: 39 APR 1985, 17192

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SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

This version of the Unit Status screen provides an input capability.

SCENARIO: (Reference baseline scenario.)

AFIRMS communications links are down between HQ USAFE and the units. The CSS has received the unit status information by secure telephone or other secure means.

DATA SOURCE:

The CSS inputs the unit status data into the data base.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full Screen Editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

SCREEN CURRENCY:
DTG
SCREEN DATA CURRENCY:
DTG
DTG

COMMUNICATIONS SUPPORT STATUS CENTRAL REGION CLASSIFICATION

STATUS AS OF: 15 AUG 83, 66882

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PRODUCES ASSESSED (CONTRACTOR NOTIONS

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ALT FAC NOP LOP FOP

CLASSIFICATION

15 AUG 83

20010

SCREEN ID NO.:

10/1-94



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BUREST TECHNIST TO CONTROL TO CON

SCREEN TITLE: COMMUNICATIONS SUPPORT STATUS

SCREEN NUMBER: MAJ.STAT. .G

SCREEN PURPOSE

Present the status of base communications resources.

USERS:

PRIMARY: Communications RC

SUPPORTING: Reports Cell, Battle Staff, ALCC, JRCC

SCENARIO: (Reference baseline scenario.)

After viewing the Base Status product, the Communications RC user wants to see more detailed information on communications in the Central Region.

CLASSIFICATIONS

This product is UNCLASSIFIED when all bases are fully operational (FOP). When any base becomes limited or not operational (LOP or NOP) the product is SECRET.

ASSUMPTIONS:

An overall communications status is assigned based on component statuses.

DATA SOURCES

- a. The bases report their status to the HQ USAFE OSC via AFIRMS. USAFE, in turn, accumulates the information and reports it to HQ USAF via AFIRMS.
- b. When communication links between the OSC and the unit are down, the Communications RC user will input the data.
- c. AF-wide terms do not have to be used (e.g., FOP, LOP, NOP are unique to USAFE).

RELATED SCREENS:

Base Status Status Map Base Communication Status Detail [Planned; not included]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Output screen only Paging/Scrolling Field coloring Data change indicator

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: MUNITIONS STATUS

SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

To display the inventory levels of various munitions at many bases or storage sites.

USERS:

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

After reviewing the Base Status screen or Munitions Capability, the LRC is reviewing the status of munitions in the Central Region.

CLASSIFICATION

This is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED.

ASSUMPTIONS:

Munition quantities are "whole up" rounds.

DATA SOURCES:

The munitions data is input by the units into their AFIRMS and reported to USAFE. USAFE inputs the depot and residual munitions into their AFIRMS and rolls-up the data to HQ USAF. If an interface with CAS is developed, the data could be obtained from CAS. During Command Post Exercises (CPX), the USAFE LRC will probably enter all of the data into AFIRMS.

RELATED SCREENS:

Munitions Capability Resource Reallocation

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8)

Full screen editor
Paging and Scrolling (including horizontal paging)
Totals in special area at bottom of screen
Field coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES:

- Add columns for MK-82A (A = Airburst),
 MK-84A, and GBU-15 bombs,
 MJU-7 and M206 flares,
 M129, RR119, RR136, RR141, and RR170 chaff.
- b. This color screen needs horizontal paging (or segmentation like the black and white version). With the additional columns just recommended, the product needs three pages or segments: (1) AIMs and AGMs; (2) dispensers and bombs; and (3) gun ammo, flares, and chaff (to be added).
- After implementing the horizonatal paging or segmentation change, make the character size larger.
- d. It must be an input product.
- The non-technical user needs ability to add and delete columns/munitions as munitions enter or leave the inventory.
- f. Gun ammunition measurement must be change to "each" versus "x000."
- g. Need ability to input a management level for each munition and base that, when compared to the current quantity, will cause the field for the appropriate munition and base to color/highlight when the current quantity fails below the management level.
- h. Need field coloring when the munition quantity for a base falls below a preset management level.
- i. Add database label to subtitle, e.g., WINTEX.

DATA ELEMENTS:

DRD #

Element Name

13A 13B	35 134 134 134	133	<u> </u>
Unit Name Owning Resource Resource Name	Resource Set Label Resource Current Amount	Base Name	Resource Roll-up DTG (for status as of)

PARAMETER SELECTION SCREEN:

			_ ^	ĺ
	PAGE 1 of 1	Choose a minimum of 1 value and a maximum of 2. 3AF 16AF 17AF USAFE		
CREEN			HELP	
MUNITIONS STATUS PARAMETER SCREEN			RETURN PREVIOUS MENU	
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SCREEN TITLE: WING RESOURCE SUMMARY

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SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE

Display the rolled up unit resources after the resources are reported to HQ USAFE, and/or before or after the Sortie Generation Model (SGM) has used the resources to compute unit readiness assessment.

USERS

PRIMARY: LRC

SUPPORTING: Battle Staff

SCENARIO: (Reference baseline scenario.)

Having reviewed the tasking and capability assessments, the LRC is reviewing the unit resources used in the assessments.

CLASSIFICATION

However, "what-if" exercises may be UNCLASSIFIED.
Therefore, the user building the resource database must set the This display will normally be classified SECRET for real data. classification

ASSUMPTIONS: None.

DATA SOURCES

There are three sources for the resource data: (1) the unit inputs real/actual resource data and transmits it to the HQ USAFE which, in turn, inputs theatre depot resource data and rolls up unit and depot data to HQ USAF; (2) the HQ USAFE user inputs the data for "what-if" queries and/or POM exercises; and (3) AFIRMS interfaces with other automated resource data systems such as CFMS and CAS for real/actual resource data (no exercise data).

RELATED SCREENS

Individual Resource Capability Base Fuels Capability Integrated Capability Munitions Capability Fuels Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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PARAMETER SELECTION SCREEN:

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CENTRAL REGION: FIGHTER/RECCE ATTRITION STATISTICS

STATUS AS OF: 26 JUL 63, 96902

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F-4C	30	10 12		30	145
F-4D	0.	20 18		11	26
F-4E	96	20 21		32	123
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F-15C	62	30		15	250
F-16A	36	11		19	180
F-111	31	25 2	25	15	200
RF-4C	15	10 1	=	2	75
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CLASSIFICATION

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SCREEN ID NO.

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PROGRAMMY BRANCH

SCREEN TITLE: ATTRITION STATISTICS

SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

Display attrition data on both aircraft and aircrews to the user.

USER:

PRIMARY: PRC

SUPPORTING: Battle Staff, LRC

SCENARIO: (Reference baseline scenario.)

The CSS will need to replace attrited aircraft and aircrews in the units.

CLASSIFICATION

This product is classified SECRET.

ASSUMPTIONS:

- Once a battle damaged aircraft is repaired, it is reported in Aircraft Remaining.
- Battle-damaged aircraft can be distinguished (or are reported separately) from NMC aircraft. 4
- Aircrew losses incude Missing In Action (MIA), Killed In Action (KIA), and wounded aircrew air-evacuated from the ن

DATA SOURCES:

The units report the data via AFIRMS to USAFE. The USAFE PRC may also input the data from message traffic and intelligence reports.

RELATED SCREENS

Attrition Trends Unit Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

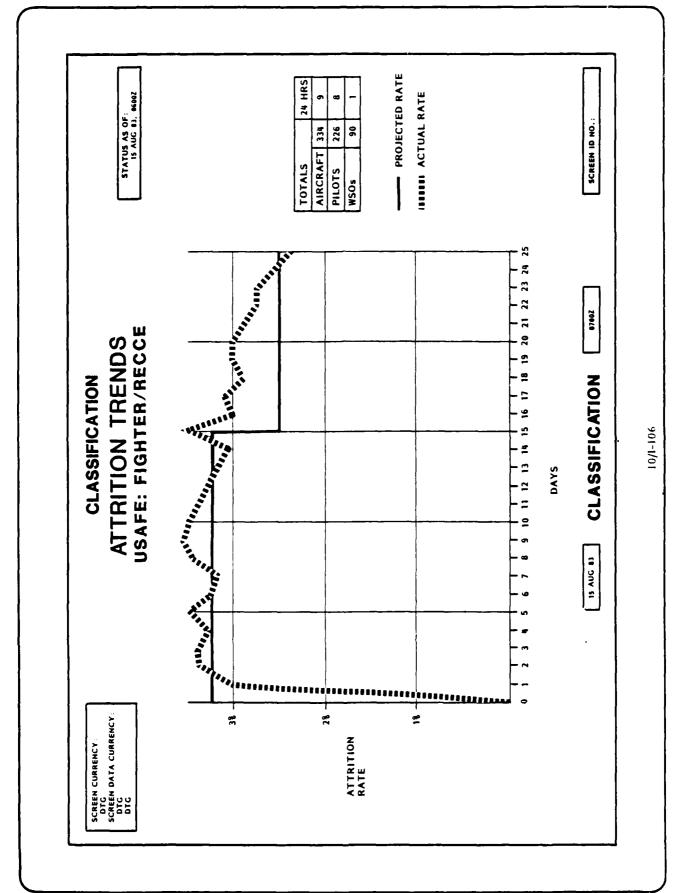
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: ATTRITION TRENDS

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Q. SCREEN NUMBER: MAJ.STAT.

SCREEN PURPOSE

Compare the actual attrition rate with the (WMP, OPLAN, etc.) projected attrition rate.

PRIMARY: Battle Staff

SUPPORTING: LRC, PRC,

SCENARIO: (Reference baseline scenario.)

rate at which attrition occurs can be anticipated, replacements In any war, forces are attrited and must be replaced. If the can be deployed to the theatre before the loss occurs to minimize any reduction in readiness.

CLASSIFICATION

This product is classified SECRET.

ASSUMPTIONS: None.

DATA SOURCES!

The units report the actual data via AFIRMS to USAFE which, in turn, reports it to HQ USAF. The USAFE CSS may also input the data from message traffic and intelligence reports.

RELATED SCREENS: None.

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

A variation of the normal line graph screen.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7,

RECOMMENDED CHANGES:

all units in all scenarios (e.g., NATO). When the actual number falls above the expected number, color the difference in red. When the actual number is below the expected number, color the Change the y-axis from a percentage rate to a quantity. It is too much to expect the number of sorties flown to be reported by difference green.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

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2.1 HQ USAFE Staff Support Products

The USAFE staff support products included in this section support USAFE's activities during the Program Objective Memorandum (POM) exercises. A major objective of AFIRMS is to provide a capability for the Air Force to connect budget dollars to force readiness.

SCREEN TITLE

Mission Area Tasking
War Mobilization Plan (POM Variation)
Individual Resource Capability (POM Variation)
Wing Resource Summary (POM Variation)
Resupply Schedule (POM Variation)
Dollars to Readiness - Comparisons (for Fuels)
Dollars to Readiness - Resource Perspective
Resource Unit Price
Dollars to Readiness Associations
Munitions Substitution Sortie Requirement
Munitions Substitution Sortie Capability
Capability Perspective
Process Status

The screens in the previous section used current unit data to determine current unit readiness/capabilities. The unit data and unit readiness/capabilities. The unit data and unit readiness/capabilities needed to support the USAFE staff in its POM activities are out-year data. By updating current unit and depot resource data with programmed resource increases/decreases, a programmed out-year readiness/capability can be projected with the tasking and capability products. Therefore, except for four screens, the tasking products in Section I.1 and capability assessment products in Section I.2, will not be repeated in this section. As can be seen in the four screens that are included, only the task name is different - the process is basically the same.

The updating of current unit resource data, mentioned above, to reflect the out-years will have three steps:

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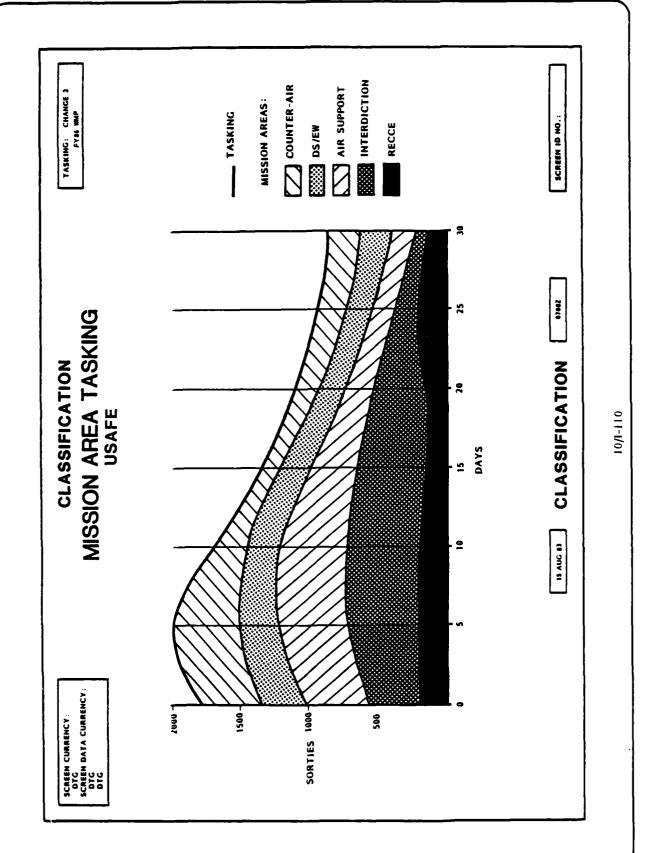
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C

- Process the resource programming plans (munitions, fuels, aircrews, unit manning, etc.);
- Allocate the programmed resources, both funded and planned, to the units level, and,
- Assess the impact on unit readiness. Iteration over these three steps to obtain an acceptable result will, presumably, be required.

Processing the resource programming plans entails converting out-year spending plans to resource counts and updating the current levels accordingly. This and the other two steps will need both "real-world" and "what-if" inputs from the users.

The need for AFIRMS to process historical data on past capabilities, tasks, and "standards" has been established. However, the methodology and ability of AFIRMS to normalize the past to the present (or vice versa) will be established during the Analysis Phase of the AFIRMS implementation.









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SCREEN TITLE: MISSION AREA TASKING

ئ SCREEN NUMBER: MAJ.TASK.

SCREEN PURPOSE:

areas. This screen also demonstrates the application of other tasking screens from the Translate Tasking section (1.1) using the FY86 WMP as the task. Display the distribution of sorties across multiple mission

PRIMARY: XPX,XPP

SUPPORTING: DOJ

SCENARIO:

XPX is developing the out-year tasking from the Air Force WMP for use in developing the resource requirements, e.g., munitions, TRAP, spares, support equipment, and manpower, etc., for the Air Force POM.

CLASSIFICATION

This product is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the HQ USAF user building the task must set the classification.

ASSUMPTIONS

- The out-year tasking data has been entered and units tasked.
- The sortie data will be WMP data.
- Input may be via tape, disk, or manual effort. ن

DATA SOURCES

into mission areas for the POM. If an interface is developed with The mission data is computed from tasking data that a user has input and assigned to units. The mission data is then aggregated COMPES, some of the tasking data can be obtained from it. If such an interface is not developed, the data is manually input by

RELATED SCREENS:

Wing Operations Rates (Ref. Section 1.1) Mission and Aircraft Tasking Detail Summary (Ref. Section 1.1) Mission Profile Definition (Ref. Section 1.1) Munitions Tasking [Planned; not included] Aircraft Tasking (Ref. Section 1.1) War Mobilization Plan (Ref. Section 1.1) Fuels Tasking [Planned; not included] Order Assignments (Ref. Section 1.1) Wing Flying Day (Ref. Section 1.1) Mission Tasking (Ref. Section 1.1)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8).

Dynamic legend

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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			A-7	3	1.5
			EF-111	2	12.5
			F-111	2	2.5
			F-15	3	11.3
			F-16	3	1.5
			F-4	3	11.3
			RF-4	2.6	1.5
FY86 UMP	[2]	58	IR-18		1.5
			A-7	2	1.5
			EF-111	1.5	2.5
			F-111	1.5	2.5
			F-15	5	11.3
			F-16	2	11.5
			F-4	2	1.3
			RF-4	2	1.5
FY86 UMP	30	365	A-19		1.5
			/H-7	1	11.5
			EF-111	1	2.5
			F-111		12.5
			F-15	1	11.3
			F-16		1.5
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SCREEN TITLE: WAR MOBILIZATION PLAN (POM Variation)

SCREEN NUMBER: MAJ.TASK. .

SCREEN PURPOSE:

Display the War Mobilization Plan (WMP) Volume 5 planning factors for the FY86 POM.

USERS

PRIMARY: XPX

SUPPORTING: LGS, LGW

SCENARIO

XPX is reviewing the FY86 WMP planning factors used in building the FY86 POM.

CLASSIFICATIONS

Normally this screen will be classified SECRET. However, "what-if" versions may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The sortie rates and duration will be the same for all units with the same MDS.

DATA SOURCE:

The data for the WMP will be input by XPX, obtained by an interface to COMPES, or sent to USAFE by HQ USAF via AFIRMS.

RELATED SCREENS:

Mission Area Tasking Order Assignments (Ref. Section 1.1) Wing Flying Day (Ref. Section 1.1)

RECOMMENDED CHANGE:

Use aircraft MDS versus MD.

UNCLASSIFIED RESUPPLY SCHEDULE

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MUNITION TYPE	11M-7L	AIM-9L	71M-7L	16-MIH	11M-7E	AIM-120A	HIM-9L	AIM-120A	AIM-9L											
GALLONS MUNITION FUEL TYPE	1999999 RIM-71		2888888 AIM-7		2000000 HIM-7E	2888888 HIM-128R		2000000 HIM-120A												
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SCREEN TITLE: RESUPPLY SCHEDULE (POM Variation)

SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

Display the out-year resource resupply schedule planned for the units in the POM.

USERS

PRIMARY: LGW, LGS

SUPPORTING: XPP

SCENARIO

Having made a capability assessment for the POM, the user now wants to selectively increase some of the resources at some of the USAFE units for a "what-if" exercise. A very good way to do that is to give the desired units a "resupply" of resources on Day 0.

CLASSIFICATION

This display will normally be UNCLASSIFIED but may be classified SECRET for some POM theatre resupply schedules.

ASSUMPTIONS

Munition quantities are "whole-up" rounds.

DATA SOURCE

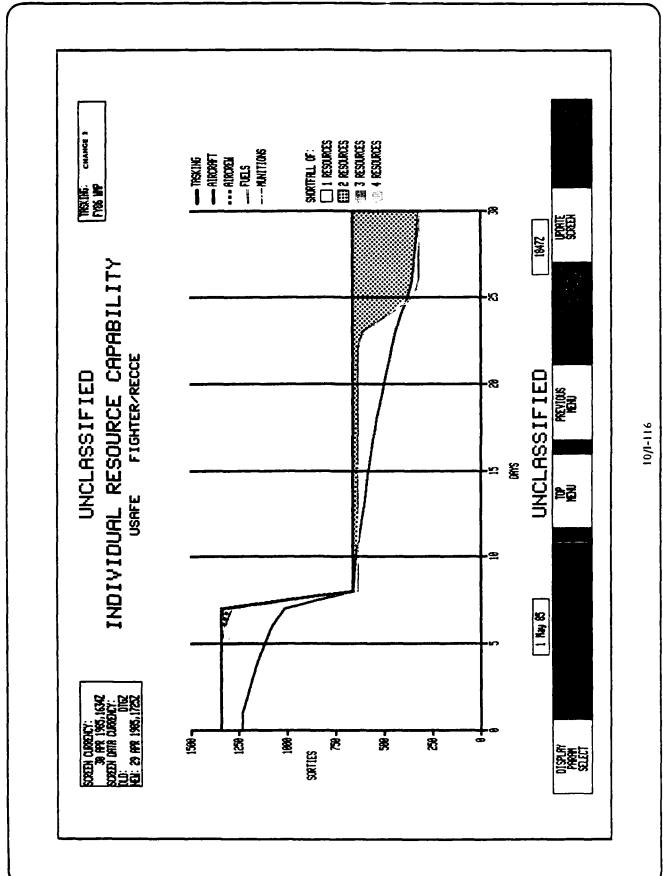
The data is input by the user or transmitted to USAFE by HQ USAF via AFIRMS.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2) Individual Resource Capability Fuels Capability (Ref. Section 1.2) Base Fuels Capability (Ref. Section 1.2) Munitions Capability (Ref. Section 1.2)

RECOMMENDED CHANGES

- Add a column for fuels type. Need to distinguish between the different grades of fuel being resupplied.
- Add a column for Unit Resupply Base (should equal the employment base). As currently designed, the quantity resupplied is added to the unit's home base current amount -- which is alright if the unit is employed in-place.







SCREEN TITLE: INDIVIDUAL RESOURCE CAPABILITY (POM VARIATION)

COLOR DESCRIPTION OF THE PROPERTY OF THE PROPE

SCREEN NUMBER: MAJ.CAP. .G

SCREEN PURPOSE:

This screen variation demonstrates the out-year application of the Individual Resource Capability product and other capability assessment products in section 1.2 using the FY86 WMP (as the task) and programmed unit resource levels.

USERS

PRIMARY: LGW, LGS

SUPPORTING: XPX, XPP, DO

SCENARIO:

DO, LG, and XP users would use this product in its Mission Area Analysis to help identify (and rank in relative importance) factors limiting USAFE capabilities and to help build and maintain a balanced capability in the POM. These users might also use it to defend the budget and/or help decide where any funding decreases/increases should be used.

CLASSIFICATIONS

This product is normally classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS

- Each individual resource's assessment is made without constraints by the other resources, e.g., the aircrew assessment was not constrained by a lack of spares or munitions.
- Assumptions applying to separate resource area assessments apply to this display as welf.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Aircraft Spares Support Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)
Fuels Capability (Ref. Section 1.2)
Dollars To Readiness - Comparisons
Dollars To Readiness - Resource Perspective
Wing Resource Summary
Resupply Schedule

STRTUS AS OF: 29 HTY 1965,15112 2531 OURNITY ROLL UP TREKENT WING RESOURCE SUMMARY UNCLASSIFIED UNCLASSIFIED ACT IN RESOURCE PRAINE COURSE HPE 불문 28 Nay 65 夏季製物 ¥ **FEC 76** RESOURCE SCT HPPE SCT HPPE FYSE BYP 504EH CURRINY: 29 MPT 1965, 1252 503EH DHIR CURRING: 11.0: 11.0: 8 MPT 1965, 14592 PACE 2 OF 5 発型

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SCREEN TITLE: WING RESOURCE SUMMARY (POM Variation)

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SCREEN NUMBER: MAJ.STAT. .T

SCREEN PURPOSE:

Display the out-year unit resources allocated by USAFE before and/or after the Sortle Generation Model (SCM) has used the resources to computer out-year unit readiness assessments for the POM. This product also demonstrates the application of other resource status products in Section 1.3 using programmed unit resources.

USERS

PRIMARY: LGW, LGSF

SUPPORTING: XPX, XPP, DO

SCENARIO

In POM development or "what-if" exercises, this product would be used to investigate resource shortfalls or to build or modify a resource database for capability assessments or resource allocation iterations.

CLASSIFICATIONS

This display will normally be classified SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the resource database must set the classification.

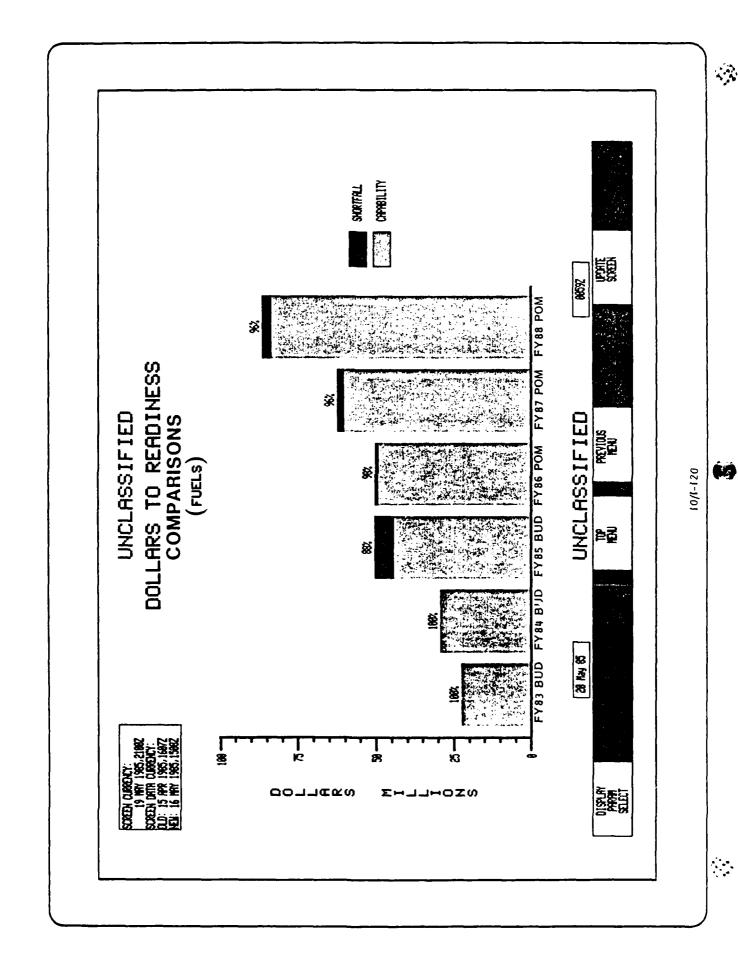
ASSUMPTIONS: None.

DATA SOURCE:

There are two sources for the out-year resource data: (1a) USAFE uses current unit data and adds current theatre depot resource data and projected resource gains; or, (1b) USAFE updates a existing out-year database with the resource program changes; and (2) the HQ USAFE user inputs the data for "what-if" queries and/or POM exercises.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Individual Resource Capability
Fuels Capability (Ref. Section 1.2)
Base Fuels Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)
Resupply Schedule
Munitions Status (Ref. Section 1.3)



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SCREEN TITLE: DOLLARS TO READINESS - COMPARISONS



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SCREEN NUMBER: MAJ.DLR. .G

SCREEN PURPOSE:

Display the projected dollar requirements and shortfall of a single resource's tasking and capability for several tasks. The tasks may be WMP tasks for different fiscal years, different OPLANs, or different costing estimates of a single OPLAN.

USERS:

PRIMARY: LGS, LGW

SUPPORTING: XPP, DO, XPX

CENARIO

The resource manager or program element monitor (PEM) is reviewing the fuels program dollar shortfall to support the WMP tasking. In another situation, the fuels manager could be reviewing the fuels dollar shortfall for several different OPLANs. Alternately, the manager may be reviewing the effects of different price inflation possibilities on an OPLAN or set of OPLANs.

CLASSIFICATION:

This display will normally be UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The tasking and capability data is computed by AFIRMS. The dollar costs of fuels (per gallon) is input by HQ USAF. AFIRMS then computes the dollar costs by multiplying the resource tasking and capability summary data times the appropriate unit price.

RELATED SCREENS:

Individual Resource Capability
Fuels Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)
Resource Unit Price
Dollars to Readiness Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES

- Add a parameter for Resource Type so this can also be used to display the dollar status of other resources.
- Add a parameter to write free-form subtitle (see Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Associations product.
- c. Combine this product with Dollars to Readiness Comparisons (All Resource Types) when the Resource Type
 parameter (mentioned in a. above) is added.

DATA ELEMENTS:

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Element Name	Resource Set Identifier	Resource Type	Resource Dollars Required	Resource Dollars Short	ollars to Read

PARAMETER SELECTION SCREEN:

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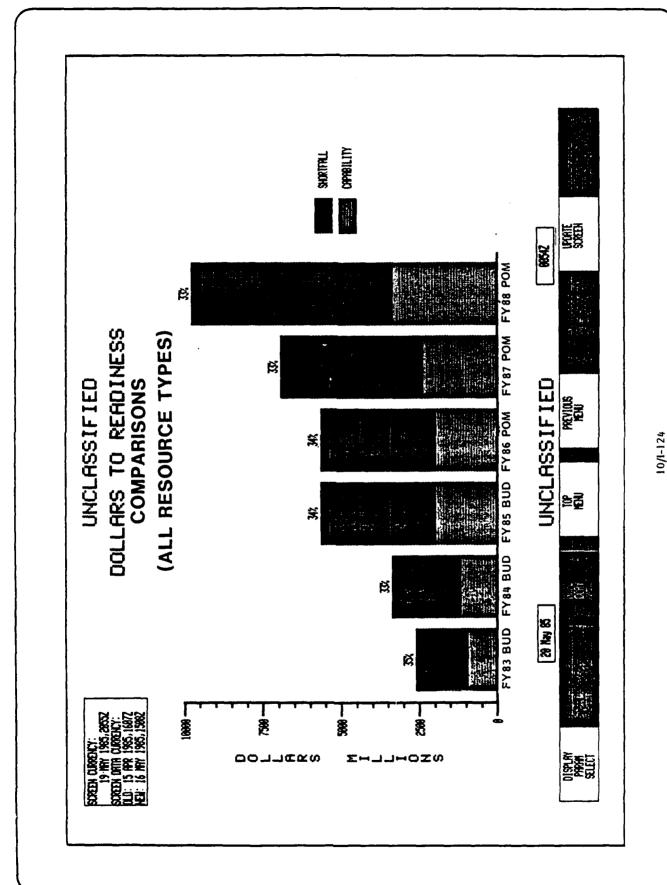




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SCREEN TITLE: DOLLARS TO READINESS - COMPARISONS

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Ġ SCREEN NUMBER: MAJ.DLR.

SCREEN PURPOSE:

Display the projected total integrated capability shortfall of all resources in dollars for several tasks. The tasks may be WMP tasks for different POMs, different OPLANs, or different costing estimates of a single OPLAN.

USERS

PRIMARY: XPP

SUPPORTING: LGS, LGW, XPX, DO

SCENARIO

resource program dollar shortfall to support the POM (or OPLAN tasks) with past budget capabilities for budget trends and/or POM "bow waves." The resource managers or PEMs are reviewing the total

CLASSIFICATIONS

This display will normally be UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The tasking and capability data is computed by AFIRMS. The dollar costs of the resources are input by HQ USAF. AFIRMS then computes the dollar costs using the tasking and capability

RELATED SCREENS

Integrated Capability (Ref. Section 1.2) Resource Unit Price Dollars to Readiness Associations DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28

RECOMMENDED CHANGES

- Add a parameter for Resource Type so this can also be used to display the dollar status of individual resources. લં
- Combine this with Dollars to Readiness Comparisons (Fuels) when the Resource Type parameter is added. ف
- Add a parameter to write a free-form subtitle (see Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Associations product. ů

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DATA ELEMENTS:

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processing appropriate the process appropriate

DRD #	130 138 13CC	40
Element Name	Resource Set Identifier Resource Type Resource Dollars Required	Resource Dollars Short Dollars to Readiness Remarks

PARAMETER SELECTION SCREEN:

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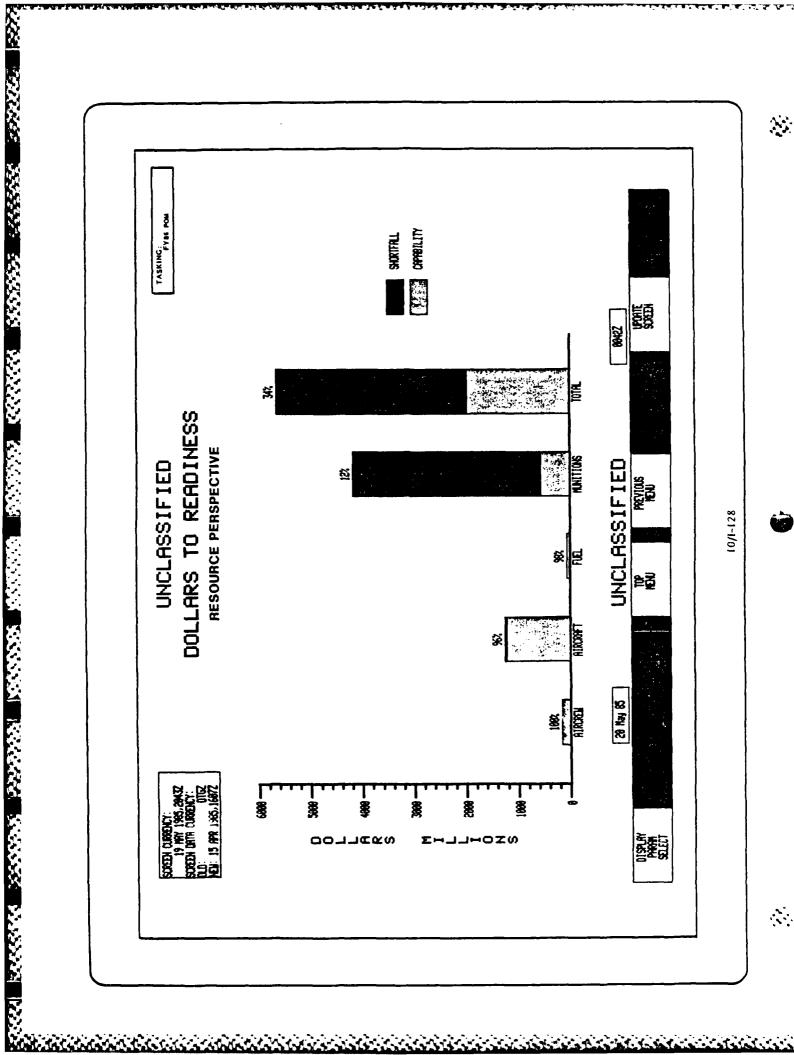


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SCREEN NUMBER: MAJ.DLR. .G.

SCREEN PURPOSE:

Display the projected capability shortfall of several resources in dollars for a single task (the task may be a WMP task for a fiscal year or an OPLAN task).

USERS

PRIMARY: XPP, XPX

SUPPORTING: LGS, LGW, DO

SCENARIO

The resource managers or PEMs are reviewing the resource programs dollar shortfall, individually and collectively, to support the POM (or OPLAN) planning exercises. Depending on the size of the shortfalls, decisions may be made on how much additional funding for each resource will best improve readiness with the funds available.

CLASSIFICATION

This product will normally be UNCLASSIFIED.

ASSUMPTION: None.

DATA SOURCE:

The tasking and capability data is computed by AFIRMS. The dollar costs of the resources are input by HQ USAF. AFIRMS then computes the dollar costs by multiplying the resource tasking and capability summary data times the appropriate unit

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Individual Resource Capability
Resource Unit Price
Dollars to Readiness Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28

RECOMMENDED CHANGES:

- Add a parameter to write a free-form subtitle (see Capability Perspective product) with a default option to use the remarks element of the Dollars to Readiness Associations product.
- b. Add a tasking box in upper right corner of display. A task capability (WMP or OPLAN) is represented by the dollar requirements and shortfalls. The tasking displayed is that which is costed for this display.

DATA ELEMENTS:

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Element Name	Resource Set Identifier	Resource Type	Resource Dollars Required	Resource Dollars Short	Order Identifier	Order Date	Order Change Number

PARAMETER SELECTION SCREEN:

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2ND ARRAY OF PARAMETER SCREEN KEYS









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SCREEN TITLE: RESOURCE UNIT PRICE

DESCRIPTION OF THE SECOND

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SCREEN NUMBER: MAJ.DLR. .T

SCREEN PURPOSE:

Display the unit prices used in the Price Run Label for the Dollars To Readiness Model. The product is also an input screen for unit price data.

PRIMARY: LGSF, LGW SUPPORTING: XPP

SCENARIO:

resources in this database set to accommodate his particular budgetary review needs. The user may change the prices or The user is reviewing or entering the unit prices for the create a new set of prices for the resources.

CLASSIFICATIONS

This display is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The HQ USAFE user can obtain the data from published Air Force documents or from the Air Force Comptroller. Once entered, the data can be used over and over.

RELATED SCREENS

Dollars to Readiness - Comparisons (All Resource Types)
Dollars To Readiness - Resource Perspective Dollars To Readiness - Comparisons (Fuels) Dollars to Readiness Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

CONTRACTOR DESCRIPTION OF THE POST OF THE

DRD	5A	138	130	130	1388
Element Name	Resource Type	Resource Name	Resource Set Identifier	Resource Remarks	Resource Unit Price

PARAMETER SELECTION SCREEN:

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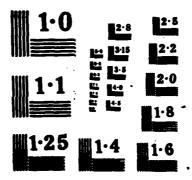
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SCREEN TITLE: DOLLARS TO READINESS ASSOCIATIONS

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SCREEN NUMBER: MAJ.DLR. .T

SCREEN PURPOSE:

Display the on-line runs already made with the Dollars to Readiness Model and provide the means for the user to associate different sets of Sortie Generation Model tasking and capability data with different sets of resource unit pricing data for input to the Dollars to Readiness Model. This also facilitates "what-ifing" dollars to readiness issues, e.g., this year's task with last year's prices.

JSERS:

PRIMARY: LGSF, LGW

SUPPORTING: XPP

SCENARIO

The user wants to either (1) see what Price Run Labels to use as parameter choices for the Dollars to Readiness products, (2) see what OPLAN/POM tasking and/or resource unit price data sets were used for a particular run of the Dollars to Readiness Model, or (3) set up a run for the Dollars to Readiness Model. The model uses the Dollars to Readiness Associations Price Run Label to execute a model run.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE: The user.

RELATED SCREENS:

Dollars to Readiness - Comparisons (Fuels)
Dollars to Readiness - Comparisons (Ail Resource Types)
Dollars to Readiness - Resource Perspective
Dollars to Readiness Model
Resource Unit Price
OPLAN/OPORD Associations (Ref. Section 1.1)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and Scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 3-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

Add a column for the number of days of OPLAN/OPORD data wanted for use in the Dollars To Readiness Model and products. If a SGM run has computed 60 days of a task, the users of Dollars To Readiness products will not always want the full 60 days.

DATA ELEMENTS:

CONTRACT CONTRACT PROPERTY PROPERTY OFFICE SECURIC MANAGES.

DRD /	4.A 4.B	Ç Ç
Element Name	Dollars to Readiness Identifier Order Identifier	Resource Price Identifier Dollars to Readiness Remarks

PARAMETER SELECTION SCREEN:

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2ND ARRAY OF PARAMETER SCREEN KEYS KEY

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PAGE 1 OF 1

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SCREEN TITLE: MUNITIONS SUBSTITUTION SORTIE REQUIREMENT

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SCREEN NUMBER: MAJ.POM. .G

SCREEN PURPOSE

Display the sortie requirement to maintain the probability of target kill with the substitute munitions.

USERS

PRIMARY: XPX, XPP

SUPPORTING: LGW, DO

SCENARIO

The Air Force FY86-90 POM is being reviewed by OSD. During the review, some substitute alternatives to the Air Force munitions program were proposed. The USAFE staff is determining the sortie impact if the desired target kill effectiveness of the preferred munition is maintained.

CLASSIFICATION:

This product is normally classified SECRET. However, "what-if" exercises will be UNCLASSIFIED. Therefore, the user building the tasking must set the classification.

ASSUMPTIONS:

- a. In theatre munitions have been allocated to the units.
- Availability of munitions is not limited by the ability to build up munitions.
- WMP tasking, target information, and munition data have been entered.
- d. Reference assumptions in Munitions Capability (Section 1.2).
- e. Data has been loaded on equivalent sortie effectiveness for the substitute munition Standard Conventional Load (SCL).

DATA SOURCES

The tasking is computed as described in the Translate Tasking section. The munitions capability is computed by the AFIRMS Sortie Generation Model. The munitions inventory for the appropriate out-year is allocated by the USAFE. USAFE has established SCL equivalency data for the substitute SCLs.

RELATED SCREENS:

Munitions Capability (Ref. Section 1.2)
Munitions Substitution Sortie Capability
War Mobilization Plan
Mission Profile Definition (Ref. Section 1.1)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Two tasking lines plotted. Otherwise, standard line graph display.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

PRIMARY MUNITION CAPABILITY AIRCRAFT SPARES CAPABILITY REQUIRED SORTIE TASKING W/SUBSTITUTE MUNITION SCREEN ID NO. MAX AIRCRAFT SORTIES MAINTENANCE SUPPORT SUBSTITUTE MUNITION AIRCREW CAPABILITY SORTIE TASKING W/ PRIMARY MUNITION FUELS CAPABILITY MUNITIONS SUBSTITUTION 20010 SORTIE CAPABILITY CLASSIFICATION CLASSIFICATION USAFE: FY 86 26 MAY 83 30 DAYS SCREEN CURRENCY
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SCREEN TITLE: MUNITIONS SUBSTITUTION SORTIE CAPABILITY

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SCREEN NUMBER: MAJ.POM. .G

SCREEN PURPOSES

Display the capability of the individual resources to support the sorties required to maintain the target kill effectiveness of the preferred munition(s).

USERS:

PRIMARY: XPX, XPP

SUPPORTING: LGW, LGSF, DO

SCENARIO:

The Air Force FY86-90 POM is being reviewed by OSD. Some substitute munitions are proposed as alternatives to the Air Force munitions program. In order to determine the complete cost of the substitute munition(s) proposed, the Air Staff and USAFE are determining the capability of other Air Force resources to support the substitution sortie requirement. (The same process could also be done to defend the program before Congress.)

CLASSIFICATION:

The expected classification is SECRET. However, "what-if" exercises will be UNCLASSIFIED. Therefore, the user building the tasking must set the classification.

ASSUMPTIONS:

- . The munitions substitution sortie requirement has been determined. (Ref. Munitions Substitution Sortie Requirement)
- All assumptions applying to the individual resource capabilities also apply.
- c. The maximum aircraft sortie generation is a function of time (e.g., 24 hours divided by (sortie duration plus aircraft turnaround time) gives the maximum number of sorties an aircraft can fly in one day).

DATA SOURCES

The tasking is the output of the Munitions Substitution Sortie Requirement product. The resource capabilities are computed by the AFIRMS Sortie Generation Model. The munitions inventory for the appropriate our-year was allocated by the MAJCOM.

RELATED SCREENS

Munition Substitution Sortie Requirement

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This product does not color the shortfall. There are two tasking lines plotted on this product. DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. I and 3-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

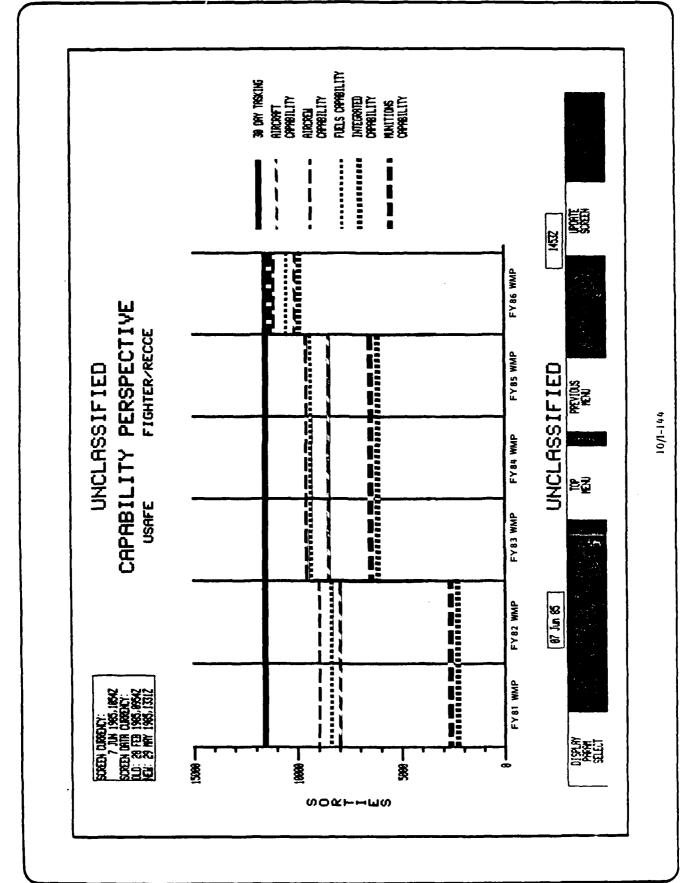
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN NUMBER: MAJ.CAP. .G

SCREEN PURPOSES:

Display past, current, and/or projected capabilities of Air Force individual resources.

USERS

PRIMARY: DOC

SUPPORTING: XPX, LGS, LGW, LGX, DOJ, XPP

SCENARIO:

A look back at historical readiness/capability is needed to obtain a better perspective on our current and very near future capability to do the task. The genesis for the required look back could also be from outside the Air Force or DoD, e.g., Congress, GAO.

CLASSIFICATION: The expected classification is SECRET.

ASSUMPTIONS:

- The total USAFE capability is an aggregation of unit capability.
- Assumptions that apply to the individual resource capability assessments also apply here.
- A year-end capability is run for each year and the computed data stored for retrieval.

DATA SOURCES

The unit capabilities are computed for AFIRMS and aggregated upward to HQ USAF for the current year. Historical unit capabilities are expected to be stored at the wing or USAFE and transmitted to HQ USAF when needed. Out-year Unit capabilities are expected to be computed at USAFE and transmitted to HQ USAF via AFIRMS.

RELATED SCREENS:

Integrated Capability (Ref. Section 1.2)
Individual Resource Capability (Ref. Section 1.2)
Fuels Capability (Ref. Section 1.2)
Munitions Capability (Ref. Section 1.2)

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Dynamic legend Rescalable y-axis DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

Add a parameter to allow selection of the resources desired. It is not necessary to display all resources when only one resource is desired.

DATA ELEMENTS:

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Element Name	Unit Short Name	Order Date	Order Change Number Order Classification	Unit Daily Sortie Task	Unit Daily Integrated Sortie Capability	Resource Type Supporting Unit Task	Unit Daily Resource Sortie Capability

PARAMETER SELECTION SCREEN:

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SCREEN TITLE: PROCESS STATUS

SCREEN NUMBER: MAJ.SPT. .T

SCREEN PURPOSE

Display the job status of the AFIRMS functions requested, Le., the Sortie Generation Model, Dollars To Readiness Model, Post Base Status Rollup, Post Unit Status Rollup, Post Resource Rollup, Transmit Base Status Rollup, Transmit Unit Status Rollup, and Transmit Resource Rollup.

USERS

PRIMARY: Reports Cell/DOCR

SUPPORTING: LRC, DOCP

SCENARIOS

batch job, the user is periodically monitoring the completion of function to update the database with unit rollup data, or transmitted the rollup data to HQ USAF. After initiating the The user has executed one of the models, has executed a

CLASSIFICATION

This display is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The AFIRMS system provides the data.

RELATED SCREENS

Dollars to Readiness Associations OPLAN/OPORD Associations

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Key Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-11, and 15.

RECOMMENDED CHANGES

- A function needed with this screen is the ability to cancel/kill a job request.
- Delete the Operating Site parameter. ف

DATA ELEMENTS:

Element Name

DRD /

User Name Operating Site Name Terminal ID

Transaction ID

Function Name Association Label Job Start DTG Job Finish DTG Job Run Status Job Status Completion Code Error Message

PARAMETER SELECTION SCREEN:

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	₹	PAGE NOMBER
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	SCREEN NOMBER	TACE SOM
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Wing Resource Summary	MAJSTATT	01-1/01
Wing Resource Summary (POM Variation))	MAJ.STATT	11-1/01





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ANNEX 10, PART II. THE 52ND TACTICAL FIGHTER WING (TFW) PRODUCTS.

SECTION 1. WING OPERATIONS CENTER (WOC) PRODUCTS

in the Wing Operations Center (WOC). These products focus on the The products contained in this section support the Battle Staff main processes and activities used to plan and execute a wing's flying operations to complete a task or order such as an Air Tasking Order (ATO). These processes, illustrated in Figure 1, correspond to sections:

- Translate/Breakout Tasking
- -22.3
- Determine Resource Capability
 Determine Resource Status and Schedule Task
 - Execute/Monitor Flying Operations.

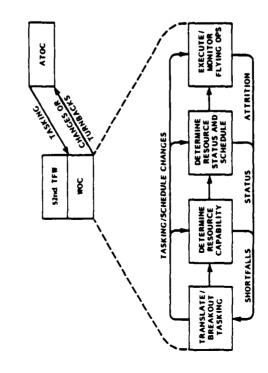


Figure 1. WOC Activities

functional view of the control centers in the 52nd TFW that direct and support the wing's flying operation during crisis or exercise. processes needed to perform a task, Figure 2 depicts a broader (LRC = Logistics Readiness Center, SRC = Survival Recovery Center, EA Cell = Emergency Action Cell.) While Figure 1 portrays the iterative nature of the wing

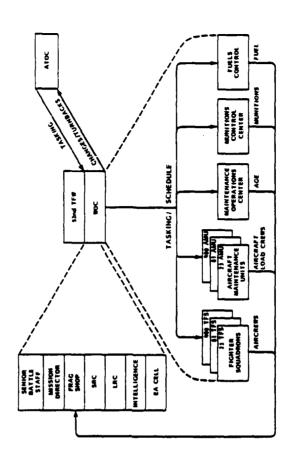


Figure 2. Wing Control Centers and **AFIRMS Locations**

The WOC Battle Staff receives ATOs with the missions for the lunctional area reports to Headquarters, United States Air Forces, ATO and determines the wing's capability to perform the assigned maintained in AFIRMS by the functional control areas (reference wing can't complete to the ATOC. The WOC also sends periodic (ATOCS). The Frag Shap "breaks out" the wing's portion of the Conventional Loads (SCLs) and/or changes in mission time over larget, combines missions, etc., and/or turns back missions the operational reports to the North Atlantic Treaty Organization (NATO) via EIFEL (a NATO command and control system) and next day from the Allied/Air Tactical Operations Centers Figure 2), the Frag Shop coordinates changes in Standard missions. If there are any shortfalls in the resource data Europe (HO USAFE) via AFIRMS. The scenario for these products is a crisis or exercise, and assumes the WOC has received an ATO which has been reviewed by the Mission Director and Senior Battle Staff. The Frag Shop is determining the wing's capability to fly the missions. This scenario description discusses a specific circumstance within this baseline is not repeated for the individual products. Each product

SECTION 2. 52ND TFW STAFF SUPPORT PRODUCTS

The 52nd TFW products in this section support the Wing's stalt during normal peacetime da y to-day operations. In this mode of operations, most of the WOC Battle Staff functions are performed Actions Cell remains in the WOC. The control centers outside the Battle Staff, Frag Shop, LRC, Intelligence). Only the Emergency by certain functional areas in the wing headquarters (i.e., Senior WOC also remain and continue to operate as they did during the exercise or crisis -- only the work pace is slowed.

very similar in exercise and in da y-to-day duties. The differences Thus, the wing's activities and processes in this section are

- The tasking (i.e., a training schedule) is generated by the wing itself, not by the ATOC (i.e., the ATO). ė
- The locations and titles of the Battle Staff functions are changed. ف
- tomorrow). The wing staff also looks at next week and The Battle Staff has a short-term view (i.e., today and next month or longer. ن

plan, etc.) into a more specific statement of the task. When this is statement of the task, and it is a multi-day task. The products in Operational Capability (DOC) statement. The DOC statement is generalized task statement from a contingency plan, a "what-it" standard task it was designed to accomplish -- the unit Designed accomplished, the unit's resources (Le., aircraft, aircrews, fuels, The wing also must report on its readiness to perform the the unit's piece of the United States Air Force (USAF) War this section assist the unit in making the DOC (or a similar Mobilization Plan (WMP). Unlike the ATO, it is a general and munitions) can then be measured against the task.

daily routine such as Aircraft Status, Aircrew Status, Fuels Status, There are crisis/exercise products that the wing will use in its and the flying schedule. They are not repeated in this section.

the products references it and states a specific user circumstance That is the baseline scenario for Section 2. The scenario in within the baseline scenario.



Section Section



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Secretary and Manager

The product screens in Section 1.1 provide functional and "bird's eye" views of the task (in this case an ATO) that aid the user to determine:

- a. The scope of the task (e.g., how many sorties by type of mission, how many and what type of munition, timeframe of the missions, etc.).
- b. The validity of the task (e.g., is the wing tasked for missions it is not qualified to perform, munitions it doesn't possess or is not qualified to load?).

SCREEN TITLE

Tasking Information Tasked Missions Missions Flow Tasked Munitions Munition Flow THEKTING. 製 1557 PRESTRIKE CRICA PRESTRIKE CRICA INFORMATION 52 TFW SLFCKT MISSION REDWIKS 1823181 UNCLASSIFIED UNCLASSIFIED **(57**33) Spirite Policy 6790 6720 1745, BLNEES 6720 6740 1745 FG 1745 6830 1745 1530 1620 1745 1640 1750 1745 1640 1750 1755 FG 1745 1640 1750 1755 FG 1845 1656 1750 1755 FG 1845 BRIDGE BASE DIPP BASE AD BRORE 1 REGINIDO DESCRIPTION IN BATEL PART REV ALD ROPES 研究系 ALL TOLER THSKING DICALU 2 2 TRAY SEG. | TYPE | PPE | HIRCHT 80 Det 84 135387 OK 135388 OK 13538 OK 135313 13 S. 381 (CH 13538 BRI 13538 BRI 13538 BRI (35386 JUA) 135 STR 1031 E1331 SCREEN CHRRENTY 2 UCT 1944,11597 SCREEN DRIN CHRENCY: 01.0: 0162 0162 PAGE 1 OF 2

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SCREEN TITLE: TASKING INFORMATION

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SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE

Display the lowest level tasking information specified in the Air Tasking Order (ATO).

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Tactical Fighter Squadron Munitions Branch Chief Senior Battle Staff Mission Director

SCENARIO: (Reference baseline scenario.)

ATO mission data to ensure the missions are legal and feasible. If necessary, the ATO mission data will be changed or turned The Frag Shop has entered the tasking and is validating the back to the ATOC.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

Munitions are not substituted. If a mission cannot be performed because of a munition shortfall, the SCL will be changed, if possible, to an acceptable and available munition.

DATA SOURCE:

The wing receives the ATO from the ATOC via EIFEL or message. The wing Frag Shop enters the ATO into AFIRMS.

RELATED SCREENS:

Tasking Mission Flow Tasked Missions **Fasked Munitions** Task Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Display Features, page 3-8.)

Full screen editor Paging and scrolling

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

- a. Add a column for a squadron name.
- b. Add columns for tasked take-off and landing times.

10/11-5

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Element Name	DRD /	Element Name	DRD /
Mission Number	200	Target Description	<u>2</u>
Mission Type	051	Support Mission Number	121
Unit Name	1.5E	Mission Remarks	150
Mission Priority	051	Aircraft Sequence Number	153
Mission Turn Back	150	Order Identifier	24A
Aircraft MDS	50	Order Date	24E
Number of Aircraft	15F	Order Change Number	2#C
Tasked Munition SCL	158	Order Classification	24K
Start Time Over Target	150		
End Time Over Target	ISH.		

PARAMETER SELECTION SCREEN:

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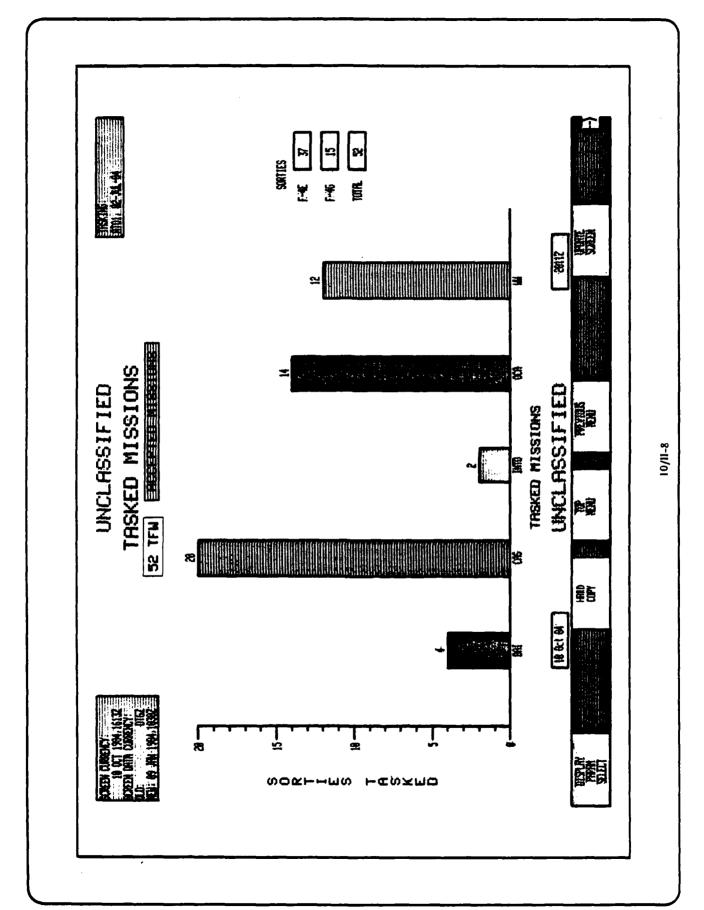
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SCREEN TITLE: TASKED MISSIONS

SCREEN NUMBER: WG.TASK. .G

SCREEN PURPOSE:

Display the tasking in the form of the mission types required. Mission types are presented on the horizontal axis.

USER:

PRIMARY: Senior Battle Staff

SUPPOR TINGS

Mission Director Tactical Fighter Squadron Maintenance Operations Center Frag Shop

SCENARIO: (Reference baseline scenario.)

The Frag Shop has entered the ATO mission data into the system. The user wants to look at the tasking in a number of ways (e.g., by the types of missions tasked).

CLASSIFICATIONS

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

DATA SOURCE:

The wing receives the ATO from the ATOC via EIFEL or message. The wing Frag Shop enters the ATO into AFIRMS.

RELATED SCREENS:

Task Capability
Tasked Munitions
Mission Flow
Tasking Information

DISPLAY SCREEN FEATURES: (See Product Display Screen Display Features, page 3-8.)

Rescalable y-axis.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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DRD /	59G 59K 73C 73L
Element Name	Mission Type Sorties Per Day Resource Type Resource Amount Tasked
DRD /	150 150 254 254 254 254 254 254
Element Name	Mission Type Mission Turnback Order bentifier Order Date Order Change Number Order Classification Tasked Unit Name

PARAMETER SELECTION SCREEN:

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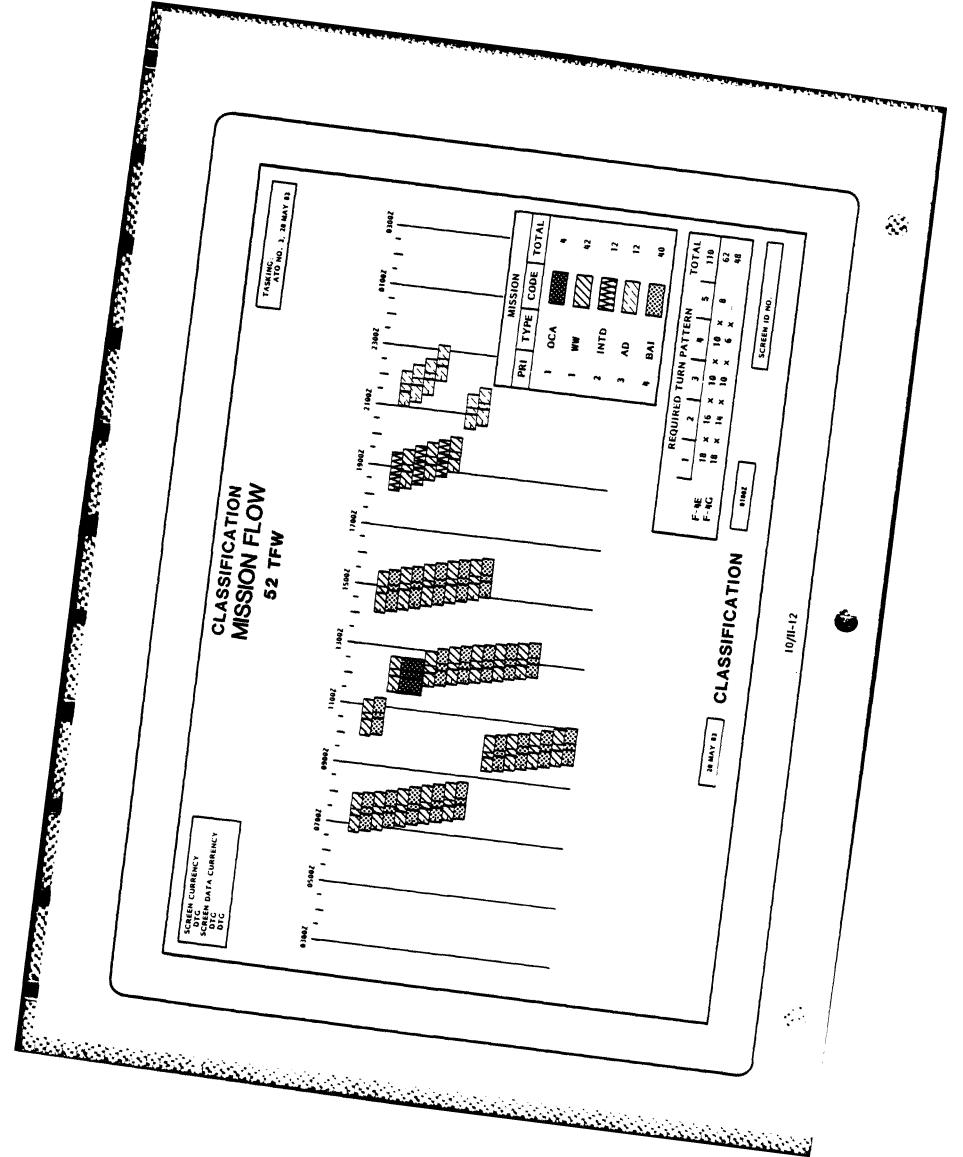


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BLACK-AND-WHITE TABULAR VERSION:

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10/11-11





SCREEN TITLE: MISSION FLOW

Ġ SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE

Display the "first cut" at the scheduling requirements specified in the ATO.

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Tactical Fighter Squadron Fuels Control Center Senior Battle Staff Mission Director

SCENARIO:

The Frag Shop validated the ATO mission data to ensure the missions were legal and feasible and entered the tasking into the system.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-il" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The system uses wing standards for estimated time enroute (ETE) to and from the target area if no take-off or landing times are available.

DATA SOURCE

message. The wing Frag Shop enters the ATO into AFIRMS. The wing receives the ATO from the ATOC via EIFEL or

RELATED SCREENS

Tasking Information Task Capability Tasked Missions Tasked Munitions

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

RECOMMENDED CHANGES! None

Keys no. 1, 4-7, and 8-16.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

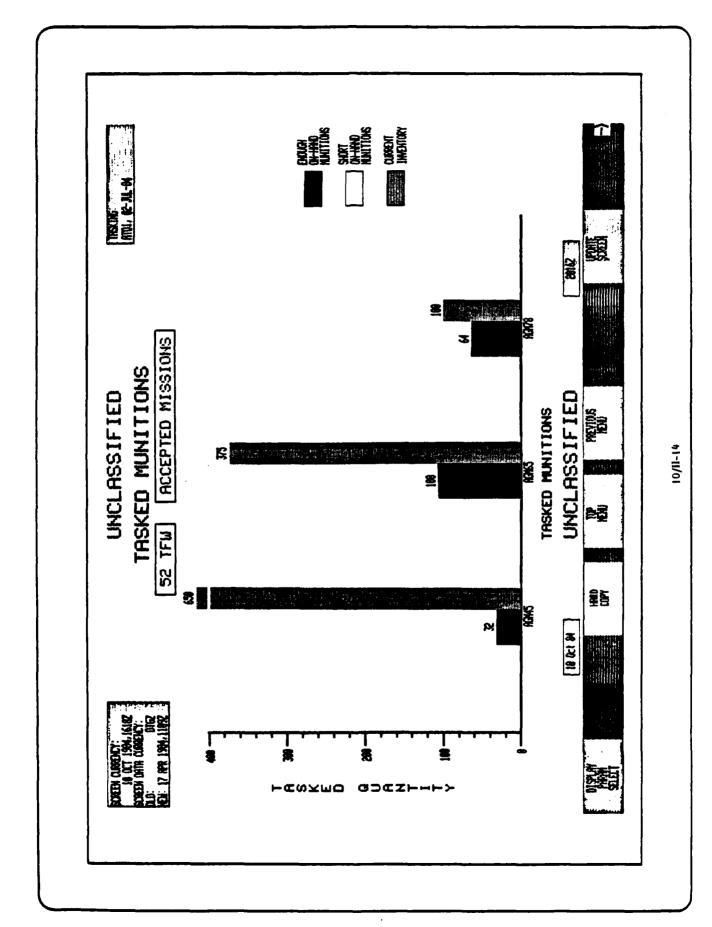
PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSIONS

This version will be furnished during the Analysis Phase of the AFIRMS implementation.

10/11-13



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SCREEN TITLE: TASKED MUNITIONS

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Ġ SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE:

Display the specified tasking in the form of required munitions. Standard Conventional Loads (SCLs) specified in the ATO are translated internally into actual munitions, aggregated and presented on the horizontal axis. Available munitions are also presented alongside the tasked munitions as a quick check on munition tasking validity.

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Tactical Fighter Squadron Senior Battle Staff **Munitions Control** Mission Director

SCENARIO:

The Frag Shop entered the ATO mission data into the system and now wants to review and validate the ATO's munition requirements.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- There is no munition substitution. If there is a shortage, the user must change the tasked SCL.
- b. Munition quantities are in "whole up" rounds.

DATA SOURCE

This is computed by AFIRMS from the mission SCLs. The Frag Shop entered the mission data from the ATO.

RELATED SCREENS

Tasking Information **Munitions Status Tasked Missions** Mission Flow

DISPLAY SCREEN FEATURES: (See Product Display Screen Display Features, page 3-8.)

Rescalable y-axis.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DYTHY CERTICA VICEIN STREET SHIRE MAKE

2666 X66668888 777772774		DRD #	134	150	54A	24E	24C	24K	74A	74B	74D
	DATA ELEMENTS:	Element Name	Resource Current Amount	Mission Turnback Flag	Order Identifier	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Resource Type	Resource Quantity Required

PARAMETER SELECTION SCREEN:

		ī	ASKED	MUNITIONS	TASKED MUNITIONS PARAMETER SCREEN	SCREEN			
ENVIRONMENT:	PEACE	EXERCISE	CRISIS	S			PAGE 1 of 1		
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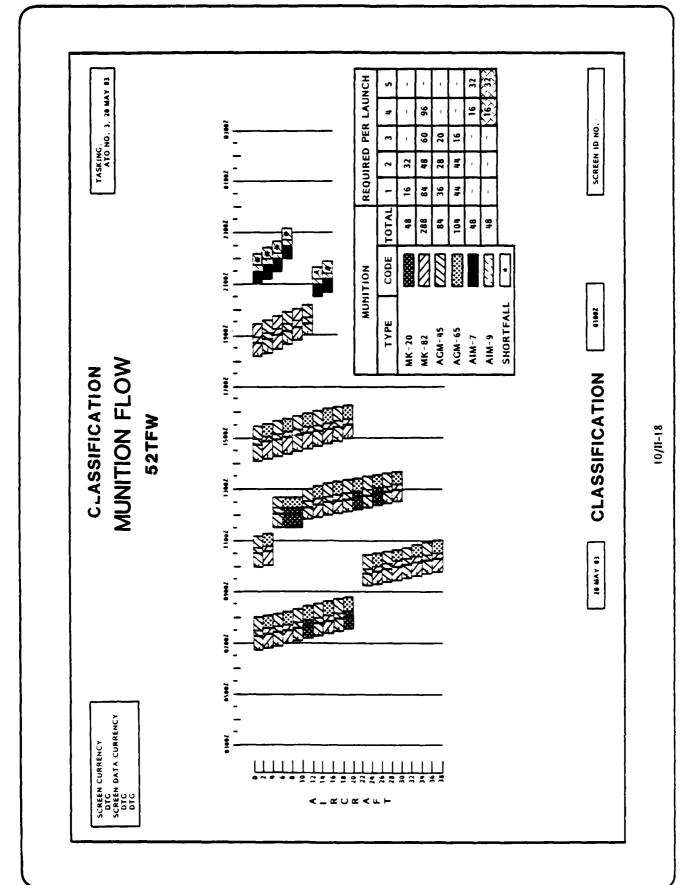
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SCREEN TITLE: MUNITION FLOW

5 SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE:

indicate any munition shortfalls that may occur. Only the quantity of munitions is considered; not the ability to build or Display the tasking flow of the munition types needed and load a munition.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Senior Battle Staff **Munitions Control** Mission Director

SCENARIO:

The Frag Shop entered the tasking data into the system. The Frag Shop is validating the munitions tasking. Munitions Control is evaluating the feasibility of the munitions task.

CLASSIFICATIONS

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- No munitions substitution.
 Wing standards for ETE to and from the target area are used if no take-off or landing times are available.
 Munitions quantities are in "whole up" rounds. ئە خ

DATA SOURCE:

This is computed by AFIRMS from the mission SCLs. The Frag Shop entered the mission data from the ATO.

RELATED SCREENS:

Tasked Munitions **Munitions Status Tasked Missions** Mission Flow

DISPLAY SCREEN FEATURES: (See Product Display Screen Display Features, page 3-8.)

Special area for munition summary data Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 4-7, and 9-16.

RECOMMENDED CHANGE: None

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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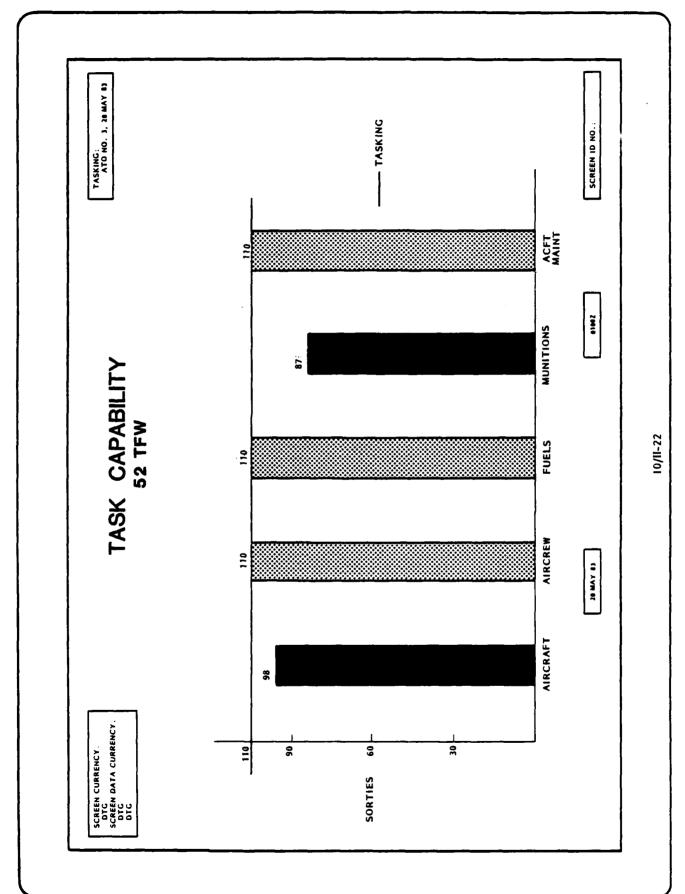
The screens in Section 1.2 enable the wing user to compare tasking requirements to available resources and determine capability. In addition to capability screens, a number of availability screens are also presented. Please note that while capability screens require both tasking and resource availability, the tasking is superfluous when only information on the availability of resources is desired.

SCREEN TITLE

Task Capability (repeated for continuity) Aircrew Capability Task Capability (repeated for continuity) Fask Capability (repeated for continuity) Tusk Capability (repeated for continuity) Maintenance Support Capability Munitions Load Crew Availability Munitions Distribution Capability Munitions Availability Forecast Munitions A and D Availability Munitions Assembly Capability Aircraft Availability Status Supply MICAP Status Munitions Load Crew Flow Munitions Capability Munitions Load Capability AGE Support Capability AGE Availability Status Refueling Truck Flow Aircraft Capability Aircraft Availability Aircrew Availability Refuel Capability **Munitions Status** Fuels Capability **Task Capability**

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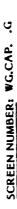
SCREEN TITLE: TASK CAPABILITY

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SCREEN PURPOSE:

Present an overall view of the capability of the Wing's resources to perform a specified task.

USER

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff Mission Director Tactical Fighter Squadron Maintenance Operations Center Munitions Control

SCENARIO:

The Frag Shop validated the ATO mission data and entered the tasking into the system. Meanwhile, the Wing's Maintenance and Operations squadrons updated the resource data for the aircraft, aircrews, fuels, munitions, and maintenance support areas. The Wing's capability to do the task is presented on this screen.

CLASSIFICATIONS

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

Tasking data have been entered into the system and resource data are current.

DATA SOURCE:

The Frag Shop has input the tasking data into AFIRMS. The attrition data and resource data are input by the resource managers. The AFIRMS Sortie Generation Model then computes the capability data.

RELATED SCREENS:

Aircraft Capability
Aircrew Capability
Fuels Capability
Munitions Capability
Maintenance Support Capability

[NOTE: The Task Capability screen represents an overall view of the resource areas addressed within the screen. The screens immediately following this screen address the aircraft resource area. Following this grouping, the Task Capability screen is repeated for continuity for the remaining resource areas: aircrew, fuels, munitions, and maintenance support.]

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES

The Aircraft Maintenance Support resource (represented by the far right bar) should be a sub-area of the Aircraft resource.

DATA ELEMENTS

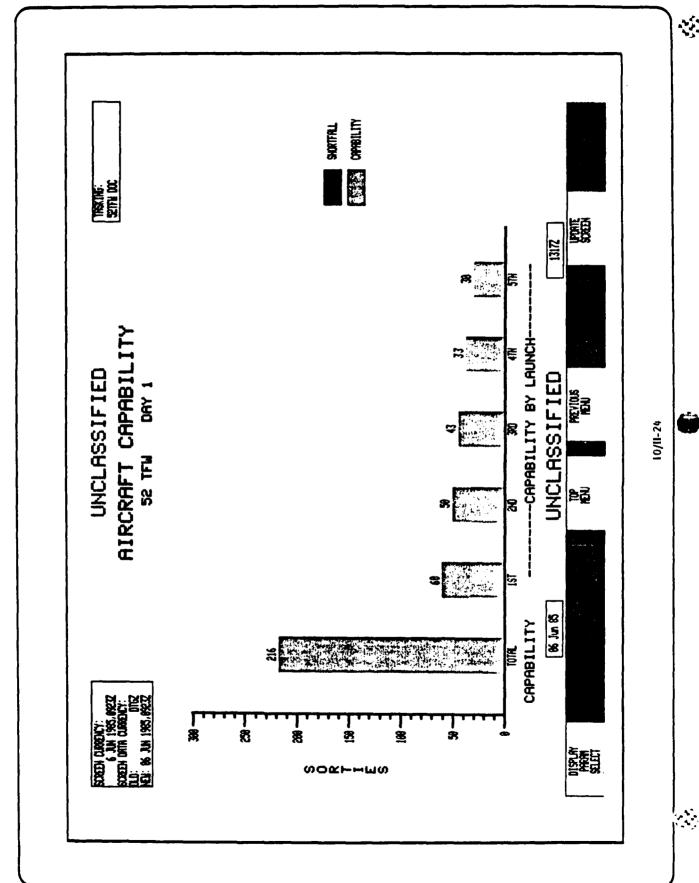
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: AIRCRAFT CAPABILITY

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Ġ SCREEN NUMBER: WG.CAP.

SCREEN PUR POSE:

Display the ability of the wing's aircraft resource to perform the task.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center **Factical Fighter Squadron** Senior Battle Staff Mission Director

SCENARIO;

The task has been entered and the wing's capability to do the task has been determined. The users now want to review the aircraft resource ability to perform the task.

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

The capability computed is limited to the time frame of the task at hand, not to what the aircraft could do in a 24-hour day (unless the task time frame = 24 hours).

DATA SOURCE:

The ATO data is input by the Frag Shop. The Maintenance Operations Center inputs the aircraft status data. AFIRMS computes the capability data.

RELATED SCREENS:

Supply MICAP Status Aircraft Availability Aircraft Capability Task Capability Aircraft Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

DRD /	V-56	54E	2 ¢G	54K	26A	79	N65	74G	743	730
Element Name	Order Identifier	Order Date	Order Change Number	Order Classification	Tasked Unit Name	Task Day	Resource Type	Task Day Wave	Wave Total Sorties	Daily Resource Capability

PARAMETER SELECTION SCREEN:

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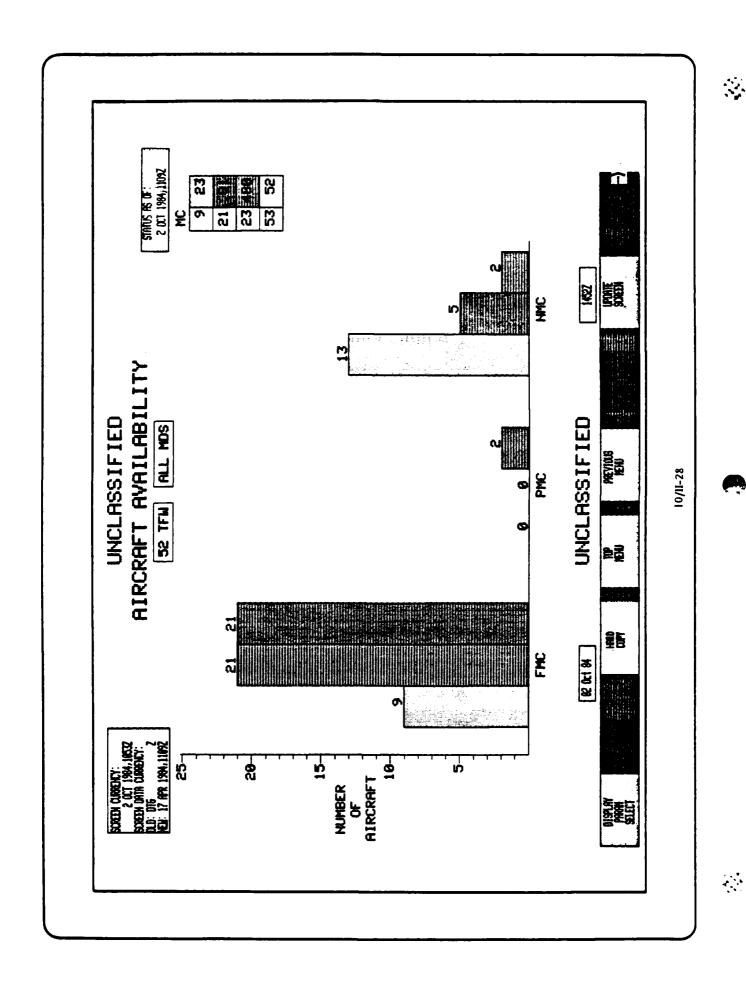


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This version will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

10/11-27



SCREEN TITLE: AIRCRAFT AVAILABILITY

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SCREEN PURPOSE:

Display summarized aircraft availability information about the 52nd TFW. Data is aggregated across squadron for entire wing.

USER:

PRIMAR Y: Frag Shop and Mission Director

SUPPOR TING:

Senior Battle Staff Tactical Fighter Squadron Aircraft Maintenance Units Maintenance Operatiqns Center

CLASSIFICATION:

This product is UNCLASSIFIED,

SCENARIO:

While the Frag Shop entered the tasking into the system, the Maintenance squadrons updated the aircraft status c. 1. The users are interested in the availability of wing aircraft to support the ATO.

ASSUMPTIONS:

The aircraft status data is current.

DATA SOURCE:

The Maintenance Operations Center and/or the Aircraft Maintenance Units (AMUs) will enter the data into the AFIRMS.

RELATED SCREENS:

Aircraft Capability Aircraft Status Supply MICAP Status Task Capability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

Incorporate the aircraft mission statuses of Partially Mission Capable for Supply (PMCS), Maintenance (PMCM), and Both (PMCB), Not Mission Capable for Supply (NMCS), Maintenance (NMCM), and Both (NMCB) from the pie chart version of this product.



CONTROL OF CONTROL BARRESES

DATA ELEMENTS:

SEEM PRODUCT STREET STREET STREET

Element Name			Aircraft Operational Status			
DRD	١١) -	=E	<u>8</u>	133	287

PARAMETER SELECTION SCREEN:

			<u>^</u>	
		jo wr		85
	PAGE 1 of 1	Choose a minimum of 1 value and a maximum of 1. ALL F-4E F-4G		1
SCREEN		O = Q = Q	HELP	9
AIRCRAFT AVAILABILITY PARAMETER SCREEN			RETURN PREVIOUS MENU	s
NVAILABILI'	S		RETURN TO TOP MENU	-
RAFT /	CRIStS			
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	ENVIRONMENT: PEACE	1. AIRCRAFT MDS ALL	DISPLAY	
	N N			KEY

IST ARRAY OF PARAMETER SCREEN KEYS

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KEY	6#	10		13	13	*1	15	91	
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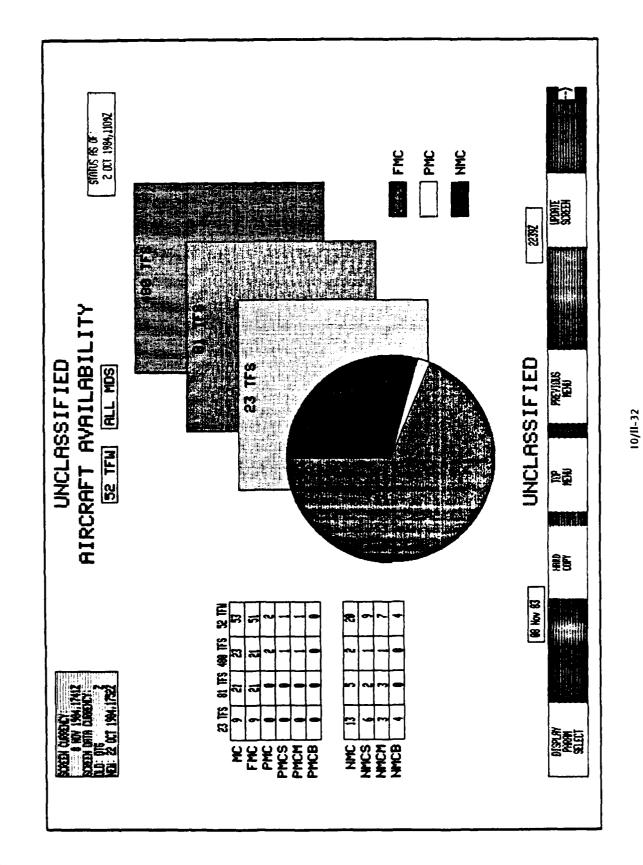
10/11-30



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This version will be furnished during the Analysis Phase of AFIRMS implementation.

16-11/01



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SCREEN PURPOSE:

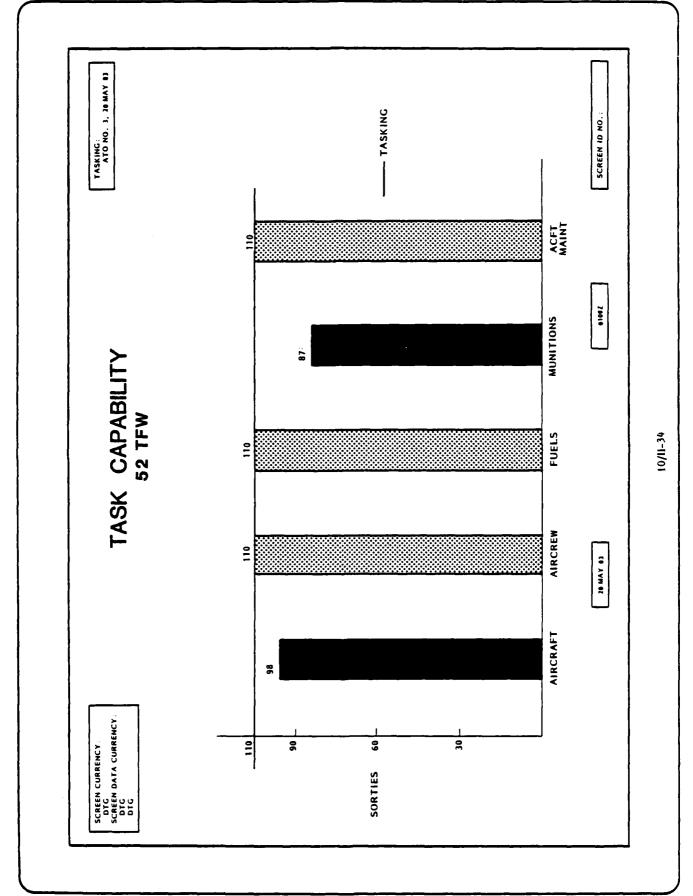
Display a pie chart version of aircraft availability.

RECOMMENDED CHANGES:

- a. Delete this pie chart version, add the PMCS/M/B and NMCS/M/B data to the bar chart version, and add the PMCS/M/B data to Aircraft Status.
- b. If the pie chart is desired, the graphics (i.e., bar or pie chart) should be a parameter selection. In other words, there should be only one product displaying the same information but with an option for a different form of graphic presentation.

10/11-33

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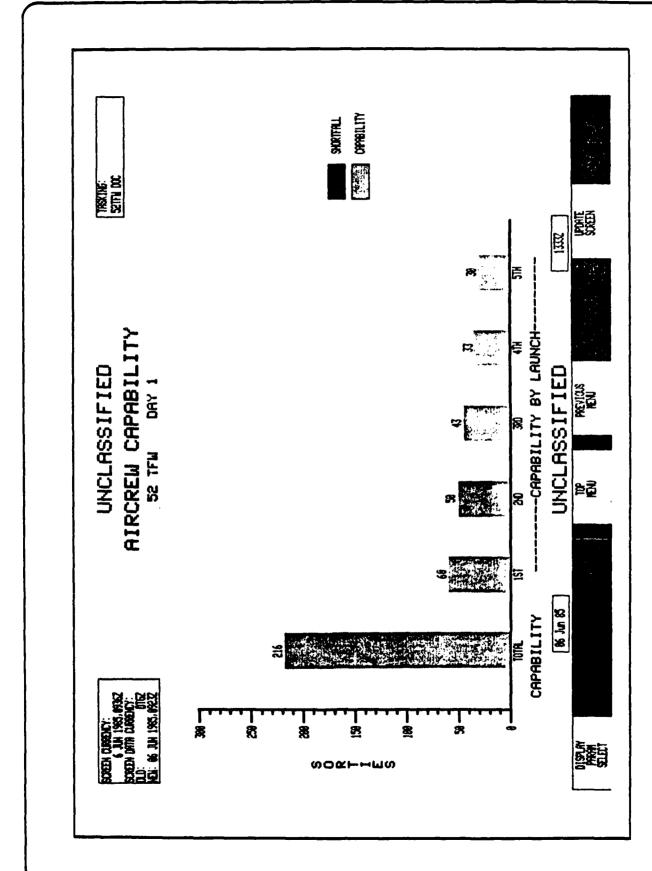
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KSKSSS - conserved recovered recovered processes processes recovered processes recovered recovered

The Task Capability screen is repeated for continuity. The screens immediately following this screen address the Aircrew resource area.

10/11-35



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treasure and the second of the second second second second seconds.

SCREEN TITLE: AIRCREW CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the capability of the Wing's aircrews to accomplish a specific task.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff Tactical Fighter Squadron

SCENARIO:

The Frag Shop entered the ATO mission data while the fighter squadrons updated the aircrew data. The Wing's capability to do the task has been determined. The users are investigating the aircrew capability to fly the task.

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- Aircrews are not limited to a maximum number of sorties per day but are limited by the input crew duty day (see Wing Fly Day product).
- b. The capability computed is limited to the time frame of the ATO (1st takeoff to last landing) and to the number of sorties tasked, not to what the aircrews could fly in a 24-hour day.

DATA SOURCE:

The Frag Shop inputs the ATO mission data and the fighter squadrons input the aircrew status data. If an interface is developed with AFORMS, then AFORMS could provide the aircrew data. AFIRMS will compute the aircrew capability data.

RELATED SCREENS:

Task Capability Aircrew Status Aircrew Availability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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DRD /	\$\$ A	25.0	24K	26A	261	N65	74G	743	730
Element Name	Order Identifier	Order Change Number	Order Classification	Tasked Unit Name	Task Day	Resource Type	Task Day Wave	Wave Total Sorties	Daily Resource Capability

PARAMETER SELECTION SCREEN:

IST ARRAY OF PARAMETER SCREEN KEYS

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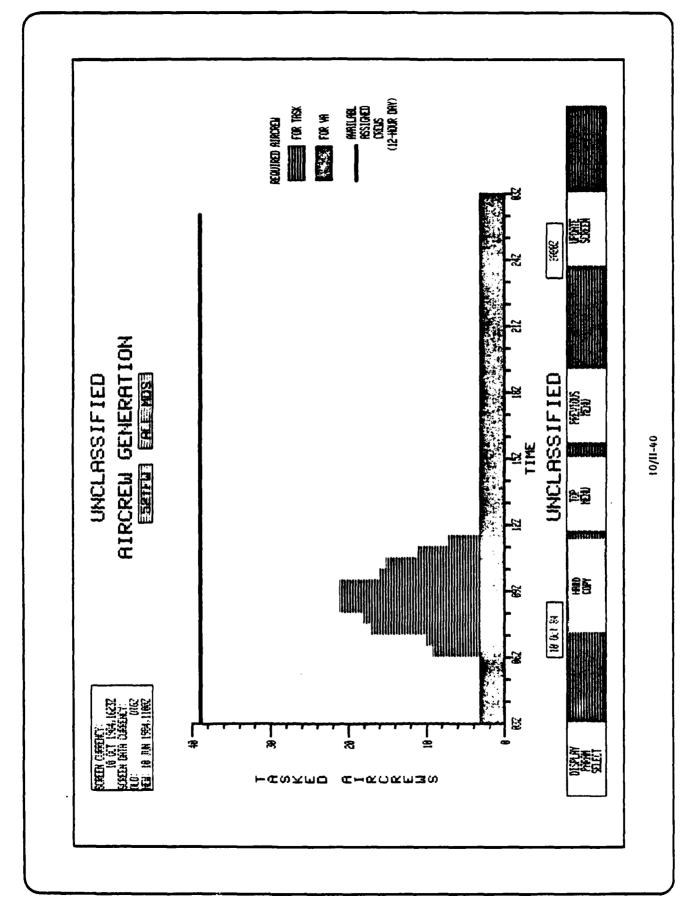


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BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.













SCREEN TITLE: AIRCREW GENERATION

Ġ SCREEN NUMBER: WG.CAP.

SCREEN PURPOSE:

Display the aircrew tasking and generation capability over the flying day for the MDS(s) selected.

USER

PRIMARY: Frag Shop and Mission Director

SUPPOR TING:

Tactical Fighter Squadron Senior Battle Staff

SCENARIO:

lighter squadrons updated the aircrew data. The Frag Shop has (reference Flying Schedule). The Frag Shop wants to see the The Frag Shop entered the tasking into the system while the Tasking Information product) or has built a flying schedule run the Mission Flow of unit accepted missions (reference tasked aircrew flow against available aircrews.

ASSUMPTIONS:

- An available aircrew is counted as available (top line on screen) regardless of the mission qualifications.
- Aircrew numbers available by shift may be input via Wing Flying Day product. ف
- allocation (if the tasked flying day is longer than 12 hours). If no input is available from Wing Flying Day, a default aircrew input of a 12-hour crew day, and a 50-50 shift ن

DATA SOURCE:

AFIRMS. The fighter squadrons will enter the aircrew status data. The Frag Shop will enter the task or schedule data into the

RELATED SCREENS

Mission Flow (with scheduled missions) Aircrew Availability Aircrew Capability Aircrew Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.

Rescalable y-axis

A stacked bar chart without space between the bars.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

- Change "VA" (Victor Alert) to "Alert" and make the number of Alert crews a parameter input. đ
- Currently, this product uses only a flying schedule as a task input. It should also use Mission Flow as a task input or use the Mission Flow algorithm to produce the input. ف
- When recommendation b. above is implemented, parameter #1 and #2 should be changed accordingly. ڻ
- Add a tasking box. The name of the task or order displayed in the box will reflect the source data, e.g., ATO I, Flying Schedule, etc. ÷

DATA ELEMENTS:

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Element Name	DRD #	Element Name	DRD #
Task T yoe	8	Sortie Aircrew Completion Time	8
Task Type Execution Time	90	Sortie MDS	30 S
Unit Name	128	Order Identifier	4
Resource Possessed Total	- 3M	Order Date	異な
Airman Availability Status	12C	Order Change Number	2
Airman Crew Position	121	Order Classification	××
Sortie Sequence Number	80 A	Quantity of Type In Status	ဘ
Sortie Assigned Take-Off Time	30D	Resource Type of Units Supply	88 D
Sortie Expected Land Time	50E	In Status	
Sortie Aircrew Show Time	50P		

PARAMETER SELECTION SCREEN:

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ENVIRONMENT: PEACE	PEACE	EXERCISE	CRISIS	s			PAGE 1 of 1	
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BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Anal ysis Phase of AFIRMS implementation.

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UNCLASSIFIED AIRCREW AVAILABILITY

STATUS AS OF: 2 OCT 1984, 11092

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SCREEN TITLE: AIRCREW AVAILABILITY

SCREEN NUMBER: WG.STAT. .G

SCREEN PURPOSE:

Display summarized aircrew availability data for the Wing. All aircrew qualifications are displayed.

USER

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff Mission Director Tactical Fighter Squadron

SCENARIO:

The Frag Shop entered the ATO mission data while the fighter squadrons updated the aircrew resource data. Resource capability has been determined for mission ready (MR) aircrews. A shortfall may have been detected and the user wants to see summarized aircrew availability data.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS:

- a. Only assigned squadron aircrew members are used.
- b. One Aircraft Commander (AC) and one Weapon Systems Operator (WSO) or one Electronic Warfare Officer (EWO) equal one aircrew. Any extra crew members are not included in the squadron totals.
- Extra squadron aircrew members are paired and included in the wing total.
- d. If two aircrew members with no matching mission/weapon qualifications are paired, then the qualifications are not

DATA SOURCE:

The flying squadrons will enter the data into the AFIRMS. If an interface with AFORMS is developed, the data could be obtained from AFORMS.

RELATED SCREENS:

Task Capability
Aircrew Capability
Aircrew Generation
Aircrew Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Row/record coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

SCOOL INSCREPT STREET,
Element Name	DRD /	Element Name	DRD
Airman Unit Name	128	Airman Last Name - Possession	
Airman Availability Status	12C	of Skill	61A
Airman Crew Position	121	Skill Identifier - Resource	Q19
Airman Attached Unit Name	12K	Quantity of Type in Status	88C
Resource Assigned Amount	13G	Resource Type of Unit's Supply	
Resource Possessed Total	I3M	in Status	88D
Aircrews MR	13P		

PARAMETER SELECTION SCREEN:

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!	PAGE 1 of 1	Choose a minimum of 1 value and a maximum of 1. S2TFW 23TFS 81TFS 480TFS		1
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IST ARRAY OF PARAMETER SCREEN KEYS

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BLACK-AND-WHITE TABULAR VERSION:

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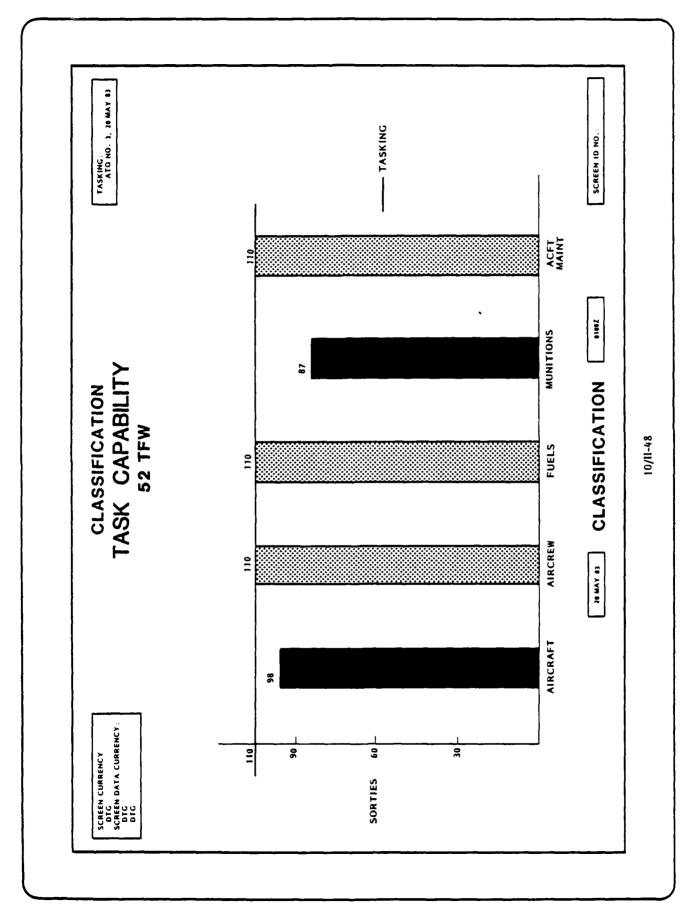
SECHENT 1 OF 1

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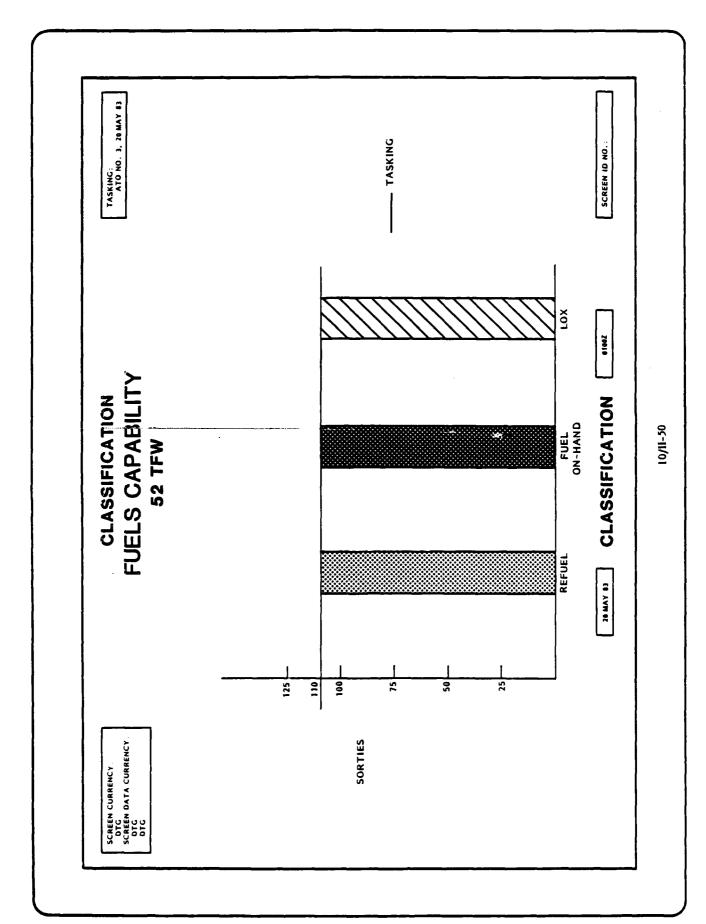




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The Task Capability screen is repeated for continuity. The screens immediately following this screen address the Fuels resource area.

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SCREEN TITLE: FUELS CAPABILITY

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SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the capability of the Wing's fuel resources to perform the specified tasking.

USER:

PRIMARY: Frag Shop, Mission Director

SUPPOR TING:

Senior Battle Staff
Maintenance Operations Center
Aircraft Maintenance Units
Fuels Control

SCENARIO

The wing's task has been entered and the wing's capability to do the task has been determined. The users are interested in more information on the Fuels capability.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Air refueling is not considered.
- All aircraft are assumed to land with minimum fuel requirement.

DATA SOURCE

The ATO data is input by the Frag Shop. The Fuels Control inputs the fuels data, and AFIRMS computes the capability data.

RELATED SCREENS:

Task Capability Fuels Status Refuel Capability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

Add parameter for type of fuel, i.e., JP-4, JP-8.

DATA ELEMENTS:

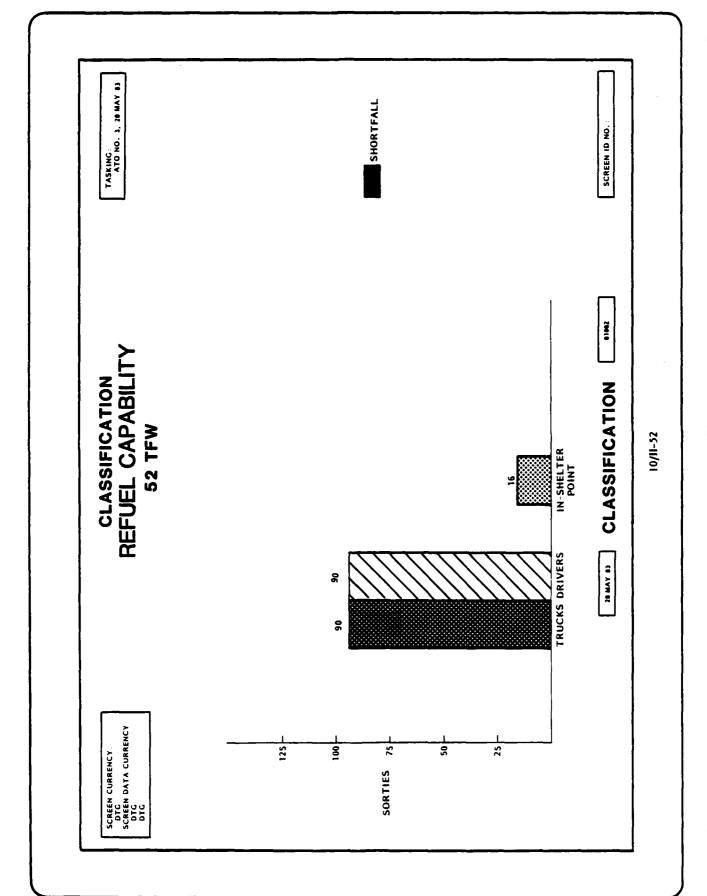
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.



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SCREEN TITLE: REFUEL CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE

Display the refueling capability of the Wing to execute the specified tasking.

USER

PRIMARY: Fuels Control

SUPPOR TING:

Senior Battle Staff
Mission Director
Maintenance Operating Center
Frag Shop

SCENARIO:

The Frag Shop entered the tasking, and the wing's capability to do the task has been computed. The users are investigating the Fuels resource refueling ability to support the task.

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. One fuel truck can refuel one F-4E or F-4G with three external tanks or two F-4E or F-4G with two wing tanks or one centerline tank.
- b. In-shelter refueling points are used once per launch. Additionally, to reduce aircraft exposure, the Hot Pits are used only if the refueling needs cannot be met with refueling trucks and in-shelter points.

DATA SOURCE:

The tasking data is input by the Frag Shop. Fuels Control inputs the fuels status. AFIRMS computes the capability data.

RELATED SCREENS:

Task Capability Fuels Capability Fuels Status Refueling Truck Flow DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

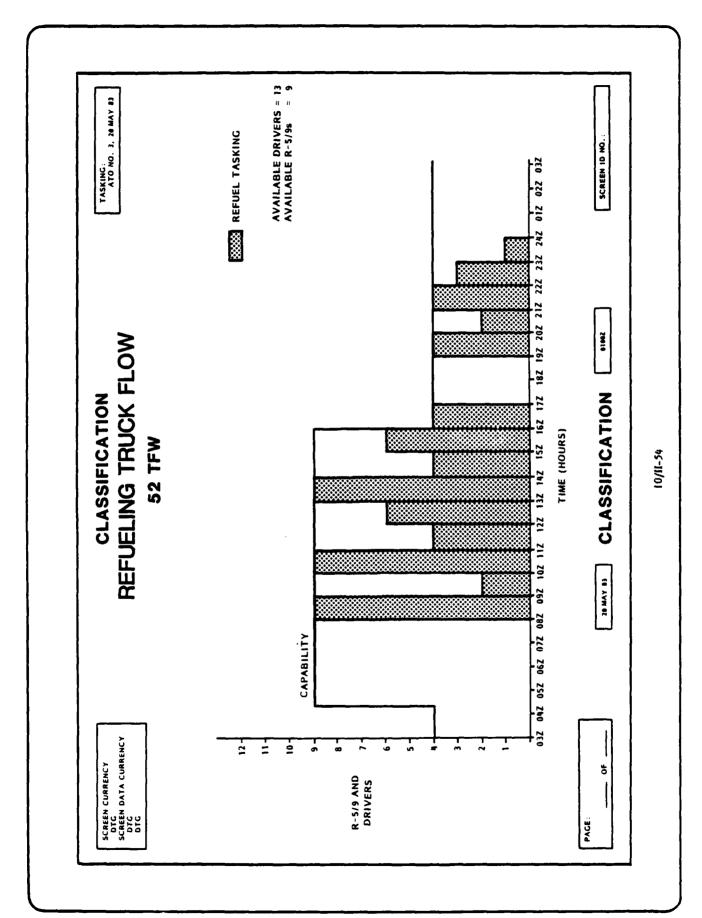
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREENS

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.











SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the work flow for the R-5/9 refueling operations to the user.

USER:

PRIMARY: Fuels Control
SUPPORTING:
Senior Battle Staff
Mission Director
Frag Shop
Maintenance Operations Center

SCENARIO:

The Frag Shop entered the tasking into the system. Fuels Control updated the availability data for fuels and the wing's fuels capability has been computed. The users are investigating the refueling ability to support the task.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS:

One truck is withheld as a defueler and one is held in reserve. Normal refueling operation is to use 9 trucks (three per AMU, if possible).

DATA SOURCE:

The tasking data is input by the Frag Shop. The fuels data is input by Fuels Control. AFIRMS computes the capability data.

RELATED SCREENS

Task Capability Fuels Capability Fuels Status Refuel Capability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

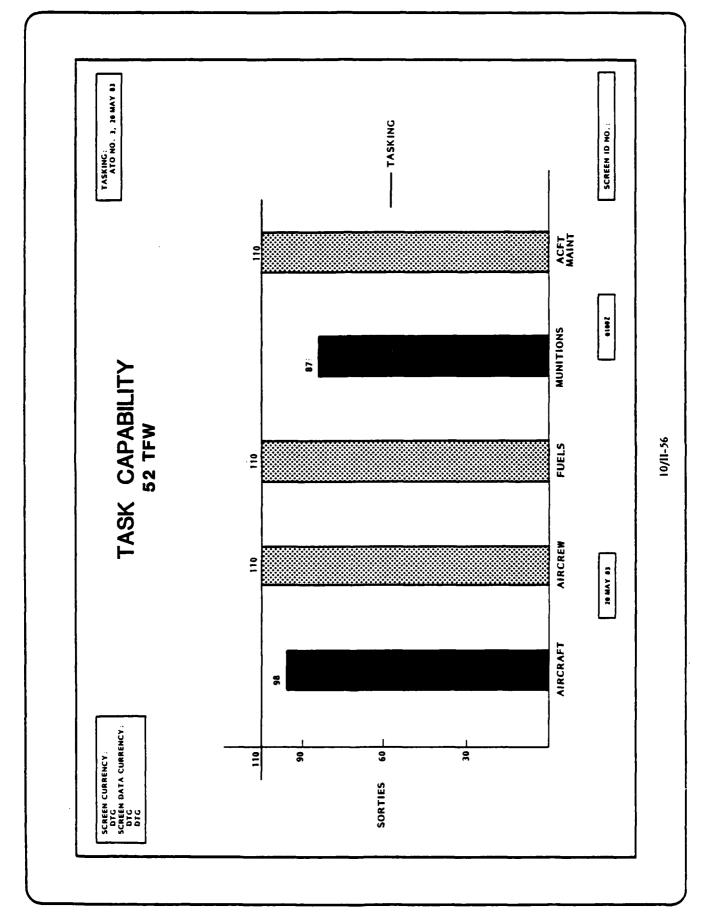
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

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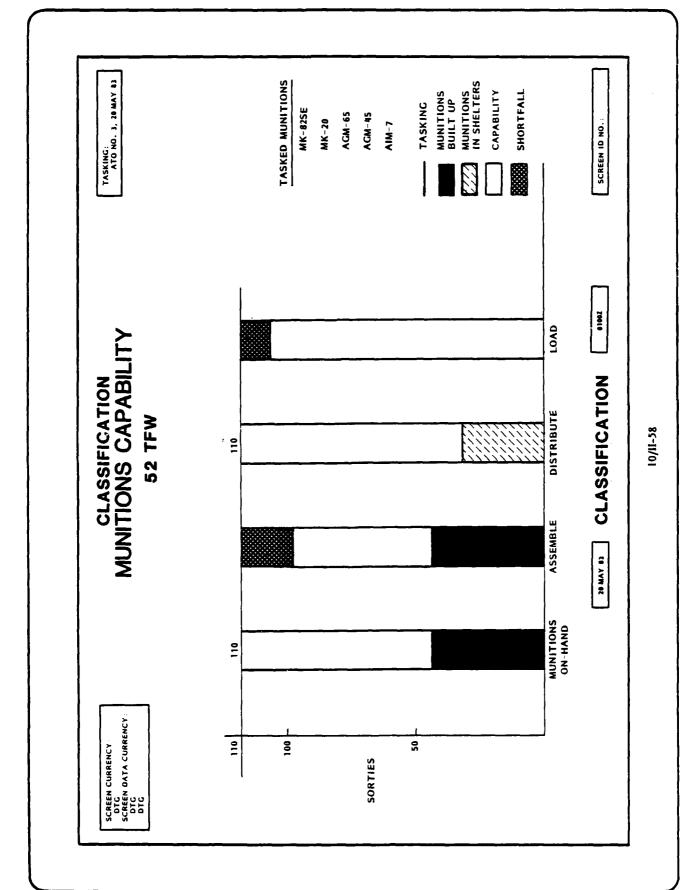
CASE CASES CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT

SCREEN NUMBER: WG.CAP. .G

The Task Capab ility screen is repeated for continuity. The screens immediately following this screen address the Munitions resource area.

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SCREEN TITLE: MUNITIONS CAPABILITY (ATO Version)

Ġ SCREEN NUMBER: WG.CAP.

SCREEN PURPOSE:

Display the Munitions capability of the Wing to execute the daily ATO tasking.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Senior Battle Staff Munitions Control Mission Director

SCENARIO:

The Frag Shop entered the mission tasking into the system, and the Wing's capability to do the task has been determined. The users are interested in the munitions capability to support the

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- No substitution of munitions.
- Munition quantities are whole-up rounds. ف

DATA SOURCE:

The Frag Shop inputs the ATO mission data. Munitions Control inputs the munition data. AFIRMS computes the capability data.

RELATED SCREENS:

Munitions Distribution Capability Munitions Assembly Capability Munitions Status Task Capability Munitions Load Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

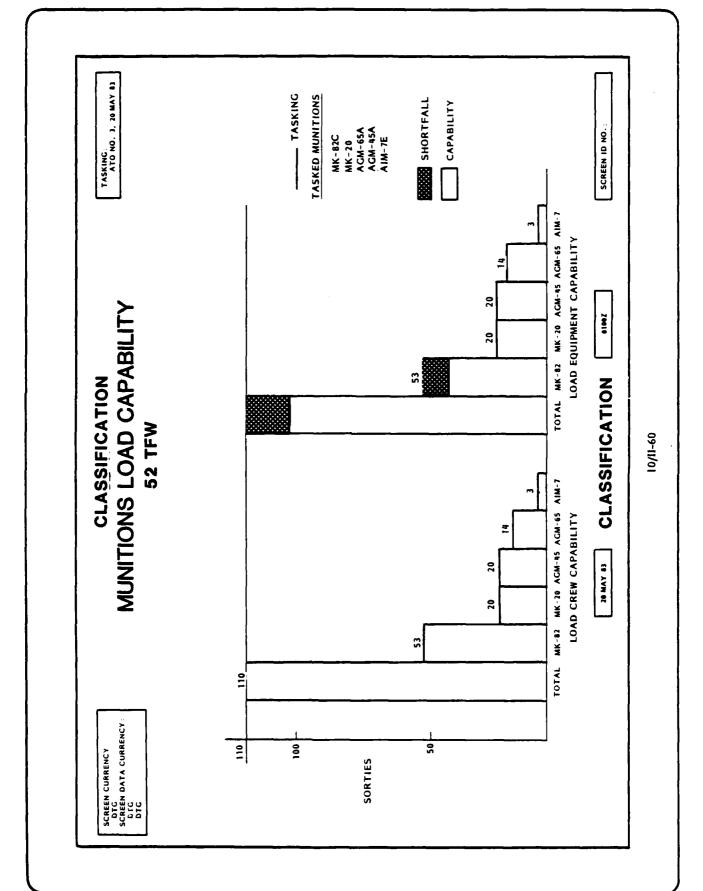
DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: MUNITIONS LOAD CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the munitions load capability of the Wing to execute a specified task. The munitions loading capability for each munition type is presented on the horizontal axis.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff Mission Director Maintenance Operations Center

SCENARIO:

The Wing's munitions capability to do the task has been determined, and the users want to investigate the wing's loading capability.

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Munitions are not substituted.
- Munition quantities are whole-up records.

DATA SOURCE:

The same information used to compute Munitions capability also provides the load capability.

RELATED SCREENS

Task Capability
Munitions Capability
Munitions Distribution Capability
Munitions Assembly Capability
Munitions Load Crew Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES 1 None.

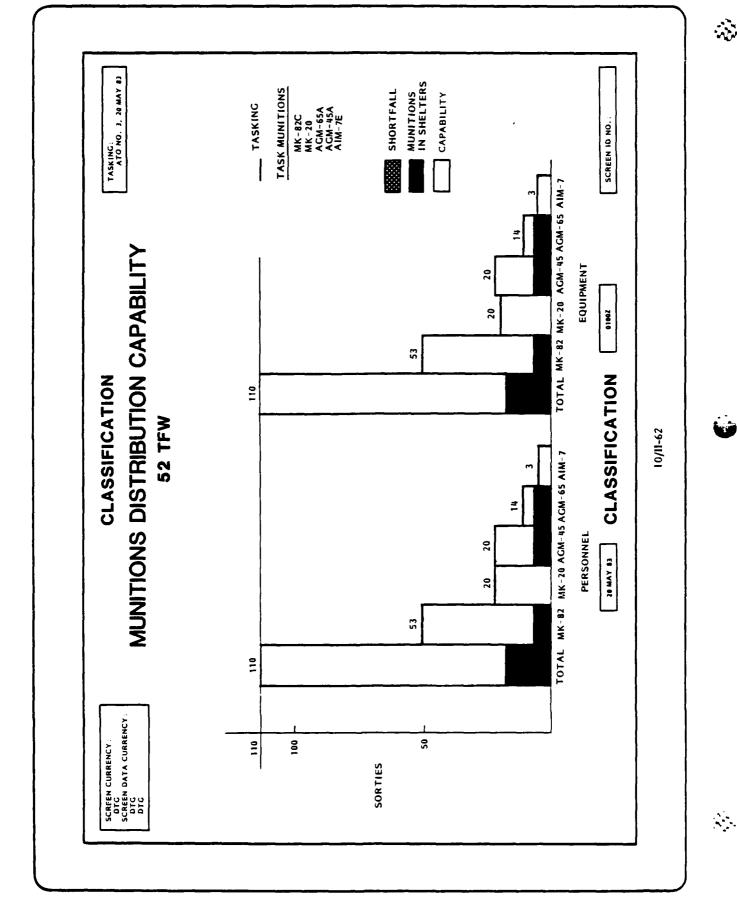
DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:





SCREEN TITLE: MUNITIONS DISTRIBUTION CAPABILITY

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SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the munitions distribution capability of the Wing to execute a task. The munitions distribution capability for each munition type is presented along the horizontal axis.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff Mission Director Munitions Control Maintenance Operations Center

SCENARIO:

The Frag Shop entered the ATO mission data, and the Wing's munitions capability to do the task has been determined. The users are investigating the distribution capability of the Munitions Branch.

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Munitions are not substituted.
- b. Munition quantities are in whole-up rounds.

DATA SOURCE:

The same information used to compute Munitions capability also provides the Distribution capability.

RELATED SCREENS:

Task Capability
Munitions Capability
Munitions Load Capability
Munitions Assembly Capability
Munitions Assembly Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

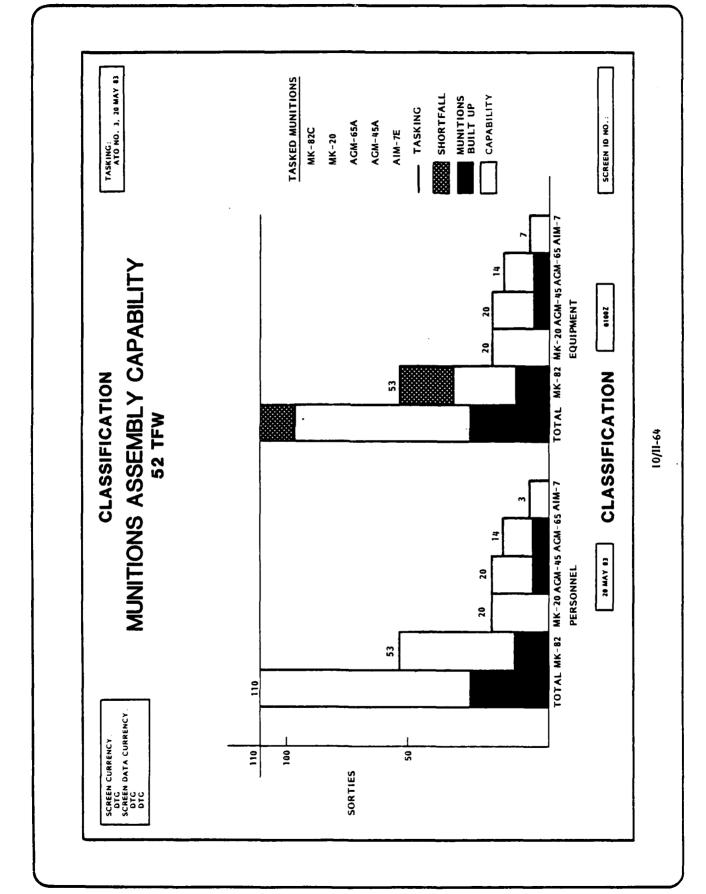
DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: MUNITIONS ASSEMBLY CAPABILITY

SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE

Display the munitions assembly capability of the Wing to execute the task. The munitions assembly capability per munitions type is displayed on the horizontal axis.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff
Mission Director
Control
Munitions Control
Maintenance Operations Center

SCENARIO:

The Frag Shop entered the ATO mission data, and the Wing's munitions capability to do the task has been determined. The users are investigating the assembly capability of the Munitions Branch.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

- a. Munitions are not substituted.
- b. Munition quantities are in whole-up rounds.

DATA SOURCE:

The same information used to compute Munitions capability also provides the Assembly capability.

RELATED SCREENS:

Task Capability
Munitions Capability
Munitions Load Capability
Munitions Distribution Capability
Munitions A and D Availability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

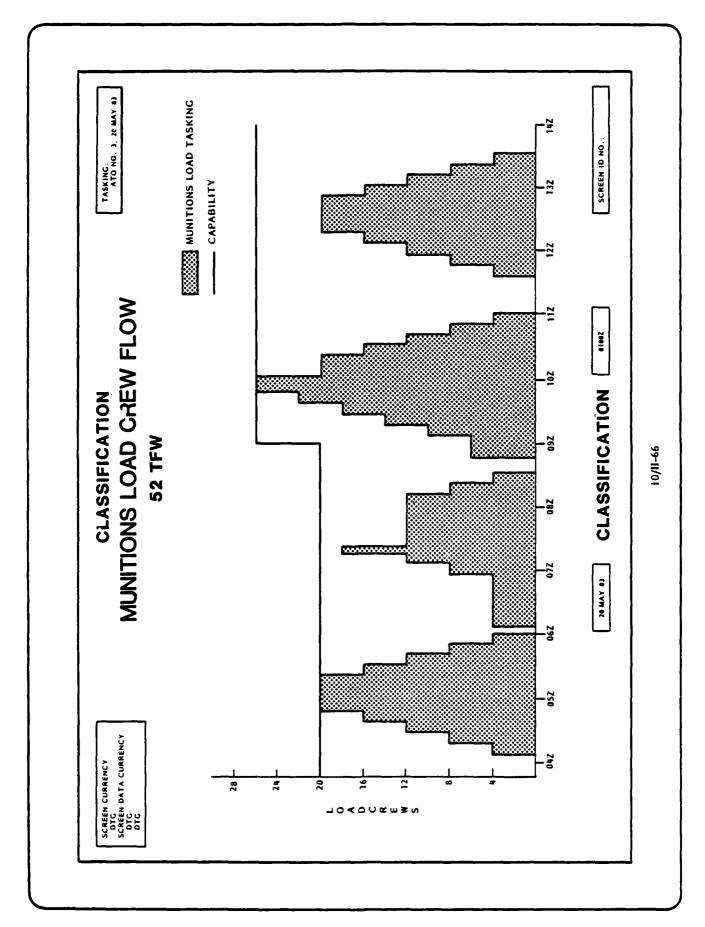
DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREENS

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: MUNITIONS LOAD CREW FLOW

Ġ SCREEN NUMBER: WG.CAP.

SCREEN PURPOSE

Display the work flow of the Wing's munition load crews.

USER:

PRIMARY: AMUS

SUPPOR TING:

Maintenance Operations Center Senior Battle Staff **Munitions Control** Mission Director

SCENARIO:

The Frag Shop entered the ATO mission data. The AMUs have updated the load crew status, and the Wing's capability to do the task has been determined. The users are investigating the required load crew work schedule to accomplish the task.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS:

- Load time is one hour for the tasked munitions and 15 minutes for travel to the next aircraft to be loaded. ė
- Loading should be complete by one hour and 45 minutes prior to takeoff time (this does not consider "quick turns," which can be included). ف
- There were enough bomb lifts to support the munitions loading. ن

DATA SOURCE:

The same data used to compute Munitions capability provides the data for this spread sheet.

RELATED SCREENS

Munitions Load Crew Status Munitions Load Capability **Task Capability**

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSIONS

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MUNITIONS A and D AVAILABILITY CLASSIFICATION **52 TFW**

STATUS AS OF: 20 MAY 83, 06002

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MUNITIONS AREA	EQUIPMENT NOMENCLATURE	АПТН	ASSIGN	AWM	AWP	TDY/ DEPLOYED	AVAIL	WARTIME
ASSEMBLY	4K FORKLIFT	9	9	1	7	0	3	ħ
	6K FORKLIFT	1	1	7	0	0	2	10
	10K FORKLIFT	2	ŧ	ı	-	0	2	#
	MHU-83 FORK ASSEMBLY	2	S	1	-	ı	7	8
	M-48 ROUGH TERRAIN CRANE	-	1	0	0	0	1	-
DISTRIBUTION	MHU-12/141 TRAILER	80	80	9	3	-	7.0	9.9
	MHU-85/110 TRAILER	100	100	10	2	0	85	20
	25/40 FT FLATBED TRAILER	10	10	1	1	1	7	ŧ
	MB-4 BOBTAIL	10	10	1	2	0	7	10
	5/10 TON TRACTOR	0	9	ı	1	0	ħ	0
	6-PAX 4/4 PICKUP	9	tr	1	2	0		0

CLASSIFICATION 20 MAY 83

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SCREEN ID NO.

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10/11-68







SCREEN TITLE: MUNITIONS A AND D AVAILABILITY

SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE

Present to the user the detailed munitions assembly and distribution (A and D) equipment information.

PRIMARY: Munitions Control

SUPPOR TING:

Maintenance Operations Center Aircraft Maintenance Units Senior Battle Staff

SCENARIO:

The Frag Shop entered the tasking data into the system. Meanwhile, Munitions Control is updating the availability data for the munitions area.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS:

- awaiting parts (AWP) are not capable of operating until the The A and D equipment awaiting maintenance (AWM) and maintenance actions are completed.
- The user wants the product to indicate those equipment items whose Mission Ready availability is below the Wartime Minimum requirement. غ

DATA SOURCE:

Munitions Control will enter the data into the AFIRMS.

RELATED SCREENS:

Munitions Assembly Capability Munitions Distribution Capability Munitions Capability Fask Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and Scrolling Full Screen Editor

Field Coloring

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

DATA ELEMENTS

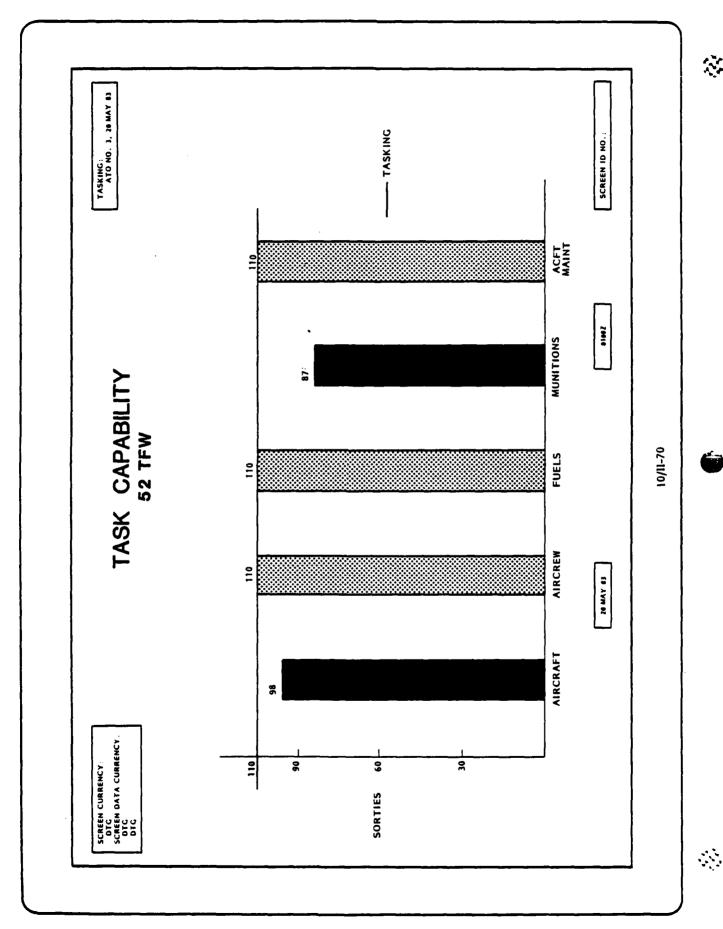
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION

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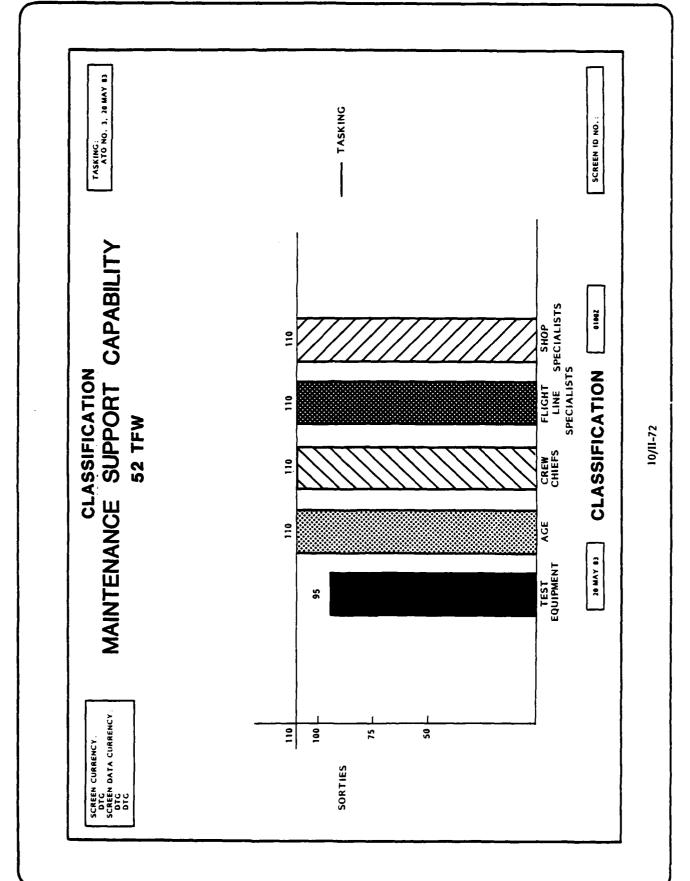
SCREEN NUMBER: WG.CAP. .G

The Task Capability screen is repeated for continuity. The screens immediately following this screen address the Maintenance Support resource area.

RECOMMENDED CHANGES

The Aircraft Maintenance Support resource (represented by the far right bar) should be a sub-area of the Aircraft resource.

10/11-71













SCREEN TITLE: MAINTENANCE SUPPORT CAPABILITY

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SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE

Display the maintenance support capability of the Wing to execute a task. The key maintenance support factors will be displayed on the horizontal axis.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Tactical Fighter Squadron Senior Battle Staff Mission Director

SCENARIO:

The Frag Shop entered the ATO mission data while the Wing's Maintenance and Operations squadrons updated the resource maintenance support areas. The users are investigating the Maintenance Support capability to support the task. data for the aircraft, aircrews, fuels, munitions, and

CLASSIFICATION:

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The Frag Shop inputs the ATO mission data. The Maintenance Operations Center (MOC) and the ANUs input the maintenance data. AFIRMS computes the capability data.

RELATED SCREENS

Task Capability AGE Support Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES:

This should be a part of the aircraft resource area.

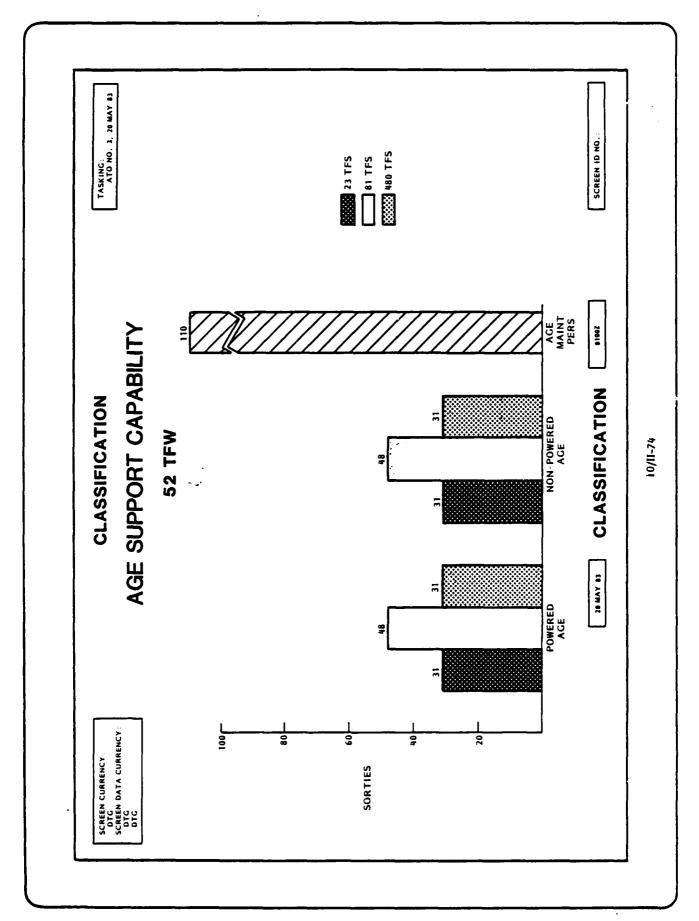
DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: AGE SUPPORT CAPABILITY

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SCREEN NUMBER: WG.CAP. .G

SCREEN PURPOSE:

Display the Aerospace Ground Equipment (AGE) support capability of the Wing to execute a specified task. Key AGE support factors will be plotted.

USER:

PRIMARY: Maintenance Operations Center

SUPPOR TING:

Senior Battle Staff Mission Director Frag Shop

SCENARIO:

The Wing's Maintenance Support capability to do the ATO task has been determined and the users want to investigate the ability of the AGE to support the task.

CLASSIFICATION;

The normal classification of this product is SECRET. However, "what-if" queries may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS: None.

DATA SOURCE:

The same data used to compute Maintenance Support capability also provides the AGE Support capability.

RELATED SCREENS

Task Capability Maintenance Support Capability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Rescalable y-axis

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 3-7, 27, and 28.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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CLASSIFICATION AGE AVAILABILITY STATUS

52 TFW

STATUS AS OF: 20 MAY 83, 06002

AGE TYPE	AGE NOMENCLATURE	АОТН	ASSIGNED	MIN	OR	NMCS	NMCM	TDY	REMARKS
POWERED	AM 32A-60 GEN. SET	£ħ	£1)	37	42	1	0	0	
	MD-3 GEN. SET	8	*	3	3	0	•	0	
	MC-1A AIR COMP	52	35	07	11	0	3	0	
	AF/M32 T-1 CABIN LEAKAGE TESTER	S	ĸ	s	s	0	0	0	
	MJ-1 BOMBLIFT	30	30	25	28	1		0	
	AM27T-2 HYDRAULIC TEST STAND	1	1	1	-	0	0	0	
	MHU-83 BOMBLIFT	hZ	28	07	7.7	7	0	0	. 1
	TTU-228/E HYDRAULIC TEST STAND	21	12	01	7.1	0	0	0	
NON-POWERED	TMU-27M LOX CART	87	23	23	u	0	0	1	
	OIL SERVICING CART	12	11	7.7	52	1	ı	0	
	HYDRAULIC SERVICING CART	34	34	30	30	7	ı	ı	TDY AT BITBURG
	AXLE JACK	141	14	13	13	0	1	0	
	TRIPOD JACK	**	44	14.12	**	0	0	0	

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CLASSIFICATION

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SCREEN ID NO.

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SCREEN TITLE: AGE AVAILABILITY STATUS

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SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Display the most current AGE availability status information. Key AGE factors are presented.

USER:

PRIMARY: Maintenance Operations Center

SUPPORTING:

Mission Director Aircraft Maintenance Branch Senior Battle Staff **Munitions Control**

SCENARIO:

The Frag Shop entered the ATO mission data while the Wing's Maintenance squadrons updated the AGE availability data.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS:

AGE data has been entered into the system and is current.

DATA SOURCE:

The wing Maintenance Operations Center and the AMUs will enter the data into the AFIRMS.

RELATED SCREENS:

Task Capability AGE Support Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

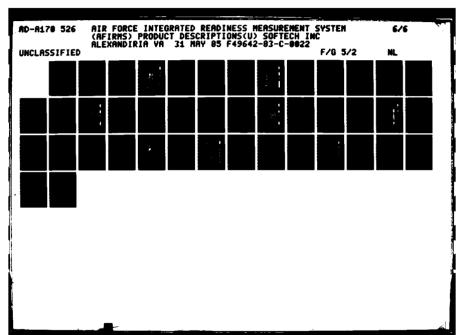
DATA ELEMENTS

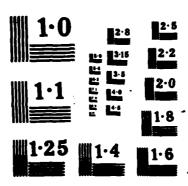
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

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1.3 Resource Status and Schedule Products

The screens in this section present detailed resource status information needed for assignment of resources to the flying schedule. Still other screens provide the user with the capability to build, modify, and view the flying schedule to meet a specified tasking with the available resources.

SCREEN TITLE

Aircraft Status
Aircrew Status
Fuels Status
Munitions Load Crew Status
Munitions Status
Munitions Availability Forecast
Mass Load Generation Schedule
Mission Flow (Schedule Variation)
Flying Schedule (Operations)
Flying Schedule (Maintenance)

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STANUS PS OF: 2 OCT 1984, 11092 鲳 13862 **HIRCRAFT STATUS** UNCLASSIFIED UNCLASSIFIED ALL MOS EC. F. EDMECS 32 TFW THE STATE OF STAL PRE ETIC STAT SEL TIPE(2) DATE 불은 18 CK 1 84 星蝗 MOJES SEDN SCREEN CHROEDEN: 2 CCT 1984,11692 SCREEN CATA CHREEDEN: DLD: PED: 17 RPR 1984,11692 PAGE 1 OF 5 불호

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SCREEN TITLE: AIRCRAFT STATUS

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SCREEN NUMBER: WG.STAT.

SCREEN PURPOSE:

Display detailed aircraft information for each aircraft including maintenance capability codes and ETIC data.

PRIMARY: Maintenance Operations Center

SUPPOR TING:

Aircraft Maintenance Unit Mission Director Tactical Fighter Squadron Senior Battle Staff **Munitions Control** Fuels Control Frag Shop

SCENARIO:

Maintenance Operations Center and/or AMUs updated the aircraft status data. The wing's capability to do the task has been computed. The schedule has been built and detailed The Frag Shop entered the ATO mission data while the information on aircraft status is needed.

CLASSIFICATION

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The Maintenance Operations Center and AMUs will input the aircraft status data.

RELATED SCREENS

Aircraft Capability Aircraft Availability **Fask Capability**

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data change indicator Row/record coloring Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES

- Add PMCS, PMCM, and PMCB totals at the bottom of the screen (same as NMC areas). ė
- A change indicator or flag is needed to mark those aircraft records that have had a recent change. ف

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Aircraft Tank Configuration	Z.	Resource Possessed Amount	<u>₹</u>
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CONTRACTOR STATES AND ACCOUNT

SCREEN TITLE: SUPPLY MICAP STATUS

SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Display supply mission capable (MICAP) information for each aircraft with a NMCS or NMCB status.

USER:

PRIMARY: Logistics Readiness Center

SUPPOR TING:

Senior Battle Staff
Aircraft Maintenance Unit
Maintenance Operations Center
Supply

SCENARIO

The Maintenance Operations Center and wing supply have updated the aircraft status data. The user wants to know what parts are causing the (NMCS) status for all aircraft.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS:

Current MICAP information has been entered into the system.

DATA SOURCE:

The supply personnel will enter the MICAP supply data into the AFIRMS and the Maintenance Operations Center will enter the status codes for the aircraft.

RELATED DISPLAYS:

Aircraft Status Aircraft Availability Aircraft Capability DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor Row/record coloring DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

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Element Name	Requisition Cause Code	Requisition Route ID	Requisition Remarks					
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Element Name	Aircraft Unit Name	Aircraft Serial Number	Aircraft Operational Status	Requisition Resource Type	Due-Out Requisition Number	Due-In Requisition Number	MICAP Start Date	Number of MICAP Days

DRD # 92F 92G 92H

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2ND ARRAY OF PARAMETER SCREEN KEYS

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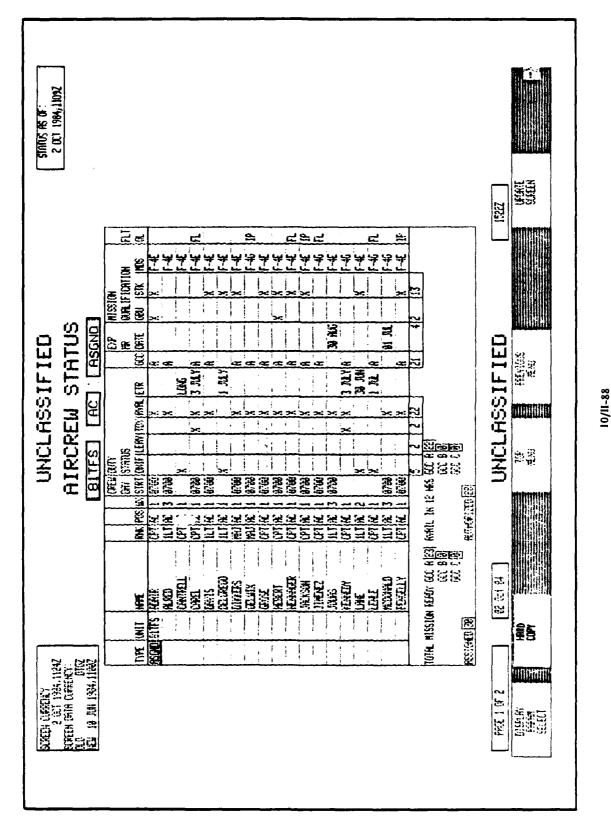
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SCREEN TITLE: AIRCREW STATUS

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SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Display detailed information regarding individual aircrews and their qualifications.

PRIMARY: Tactical Fighter Squadron

SUPPOR TING:

Senior Battle Staff Mission Director Frag Shop

SCENARIO:

The Frag Shop entered the ATO mission data while the fighter squadrons updated the aircrew status data. The Frag Shop has built a schedule shell and is ready for aircrew assignments to the flying schedule.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The flying squadrons will enter the data into AFIRMS. If an interface with AFORMS is developed, the data could come from AFORMS.

RELATED SCREENS

Aircrew Availability Aircrew Capability **Task Capability**

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data change indicator Row/record coloring Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES:

- A change indicator or flag is needed to mark those aircrew member records that have recently changed.
- parameter. LPP testing indicates marginal use as a parameter (this is not to be interpreted as a recommendation to delete the value from the display). Further analysis is needed on the Aircrew Assignment ۵

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Airman Rank	77	Vesoni Ce Lossessen Villoniii	
Airman FTD	12H	Aircrews MR	75
		Skill Identifier	618
Crew Position	171		
Duty Status	123	Skill Level (GCC level)	<u>၁</u>
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PARAMETER SELECTION SCREEN:

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SCREEN TITLE: FUELS STATUS

SCREEN NUMBER: WG.STAT. .T

SCREEN PURPOSE:

Permit manual data entry and tabular display of current fuels status information for availability and schedule execution monitoring.

USER:

PRIMARY: Fuels Control

SUPPOR TING:

Senior Battle Staff
Maintenance Operations Center
Mission Director
Frag Shop
LRC

SCENARIO:

Current fuel status has been updated. The users are reviewing the updated fuels availability to support the tasking.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS:

Jet fuels quantity is maintained in gallons in the database and converted to either barrels or pounds if necessary.

DATA SOURCE:

Fuels Control will input the data. However, if an interface is developed with Combat Fuels Management System (CFMS), the data could be obtained from CFMS. Alternately, the interface could go in the opposite direction, i.e., AFIRMS could provide CFMS with the necessary data.

RELATED SCREEN:

Task Capability Refuel Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Full screen editor
Paging and scrolling
Row/record coloring
Special area totals at the bottom of the screen

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

a. Include fuels personnel, e.g., drivers, hot pit operators, etc.,
 b. Delete the inventory date.

10/11-93

DATA ELEMENTS:

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CHARLES PARTIES



COCCOCC COCCUES DESIGNATION SANCTON BELLEVILLE CONTROLLER

SCREEN TITLE: MUNITIONS LOAD CREW STATUS

SCREEN NUMBER: WG.STAT.

SCREEN PURPOSE

Display the detailed information relating to load crew availability.

USER:

PRIMARY: Aircraft Maintenance Units

SUPPOR TING:

Maintenance Operations Center Munitions Control Senior Battle Staff Mission Director

SCENARIO:

The Frag Shop entered the ATO mission data into the system. Meanwhile, the AMUs updated the load crew status data.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS:

Individual load crew members are considered available if on leave or on temporary duty (TDY) in Europe.

DATA SOURCE:

The AMUs will enter the data into the AFIRMS.

RELATED SCREENS:

Task Capability Munitions Capability Munitions Load Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor Special area for totals at the bottom

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES! None.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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PRODUCTION OF THE PROPERTY OF THE PARTY OF T

SCREEN NUMBER: WG,STAT. .T

SCREEN PURPOSE:

Display the whole-up round data on the status of munitions.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Operations Center Tactical Fighter Squadron Munitions Control Senior Battle Senior Mission Director

SCENARIO:

The Wing's Munitions Control has updated the status data for munitions, and the users are reviewing the new status.

CLASSIFICATION:

This product is SECRET with the authorized amount displayed. When it is removed, the product is UNCLASSIFIED.

ASSUMPTIONS:

- Quantities are whole-up rounds. ė
- Primary (PRI), Support (SPT), and Training (TNu) are load crew training categories for the munitions. ف

DATA SOURCE:

Combat Amnunition System (CAS) is developed, the inventory quantity could be obtained from CAS. However, the amount expended would still be an input. Munitions Control will input the data. If an interface with

RELATED SCREENS

Munitions Availability Forecast Munitions Capability Task Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Row/record coloring Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, 9-16, 19-24, and 26.

RECOMMENDED CHANGES

Delete the authorized amount to declassify the product.

DATA ELEMENES:

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Element Name	Unit Name	Resource Type Descurse Authorized Amount	Last Inventory Date	Resource Current Amount	Resource Off-base Amount	Base Name	Daily Expended Amount	Current Built-up Amount	Pecource Remarks

PARAMETER SELECTION SCREEN:

MUNITIONS STATUS PARAMETER SCREEN	ENVIRONMENT: PEACE EXERCISE CRISIS PAGE 1 of 1	Choose a minimum of 1 value and a maximum of 2. PRI SPT TNG ALL	DISPLAY PRODUCT TO TOP MENU MENU MENU MENU MENU MENU MENU
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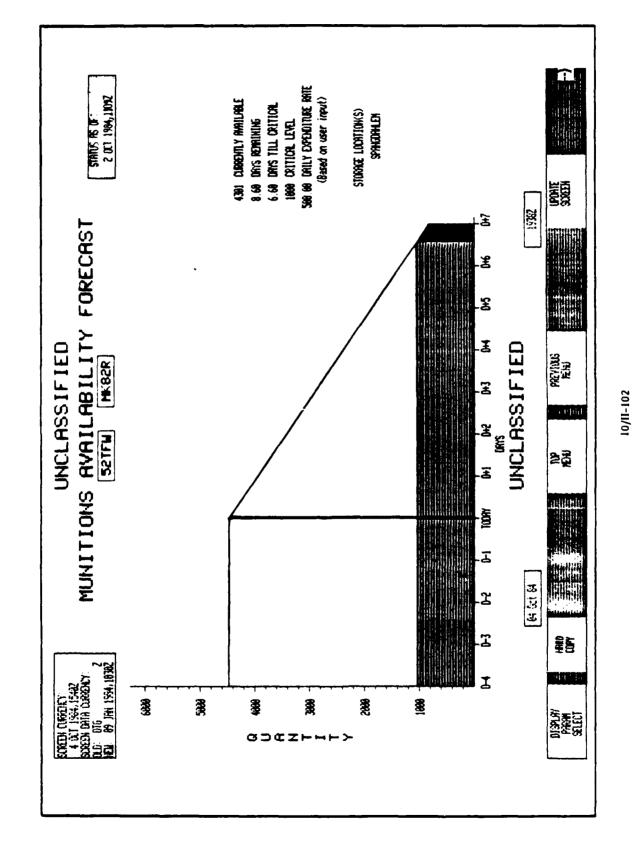
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BLACK-AND-WHITE TABULAR VERSION:

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SCREEN: OLD: NEN:		PAGE











SCREEN TITLE: MUNITIONS AVAILABILITY FORECAST

SCREEN NUMBER: WG.STAT. .G

SCREEN PURPOSE:

Display, for a selected munition, the forecasted availability based upon a usage rate.

USER:

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff
Mission Director
Tactical Fighter Squadron
Munitions Control

SCENARIO:

The Frag Shop is assessing munitions availability in order to build the next day's frag.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS:

Resupply is not included.

DATA SOURCE:

The Munitions personnel will enter the data into the AFIRMS.

RELATED SCREENS:

Munitions Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

This product is not a standard type of screen and must be a unique screen program.

Historical data is displayed.

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1 and 3-7.

RECOMMENDED CHANGES! None.

DATA ELEMENTS:

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Resource Name	138	Resource Total Currently Available	13W
Resource Last Inventory Date	13E	Resource Supply Days Remaining	13X
Resource Current Amount	131	Resource Daily Expenditure Rate	137
Resource Current Off Base Amount	131	Resource Supply Days Until Critical	132
Off Base Amount	13T		

PARAMETER SELECTION SCREEN:

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2ND ARRAY OF PARAMETER SCREEN KEYS

10/11-104





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BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

10/11-105

SCREEN CURRENCY:
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SCREEN DATA CURRENCY:
DTG
DTG

CLASSIFICATION MASS LOAD GENERATION SCHEDULE

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52 TFW

START TIME: 81002

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TIME REMAINING:

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CLASSIFICATION

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SCREEN ID NO.

901-11/01







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SCREEN TITLE: MASS LOAD GENERATION SCHEDULE

SCREEN NUMBER: WG.TASK. .T

SCREEN PURPOSE:

Display and compute the mass load-out plan for a specified task.

USER:

PRIMARY: Mission Director

SECONDARY:

Senior Battle Staff
Munitions Control
Maintenance Operations Center
Fuels Control
Tactical Fighter Squadrons

SCENARIO:

The Wing is generating and loading aircraft in accordance with a predetermined schedule for a task or plan. A-Hour has been established and entered into the system.

CLASSIFICATION:

This product is UNCLASSIFIED until A-Hour is input at which time it is classified SECRET.

ASSUMPTIONS:

The line numbers, A+ times, and A- hour are already input by the Mission Director.

DATA SOURCE:

The respective wing user will input the data.

RELATED SCREENS

Aircraft Status

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-3.)

Paging and scrolling Full screen editor Data change indicator DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES: None.

DATA ELEMENTS:

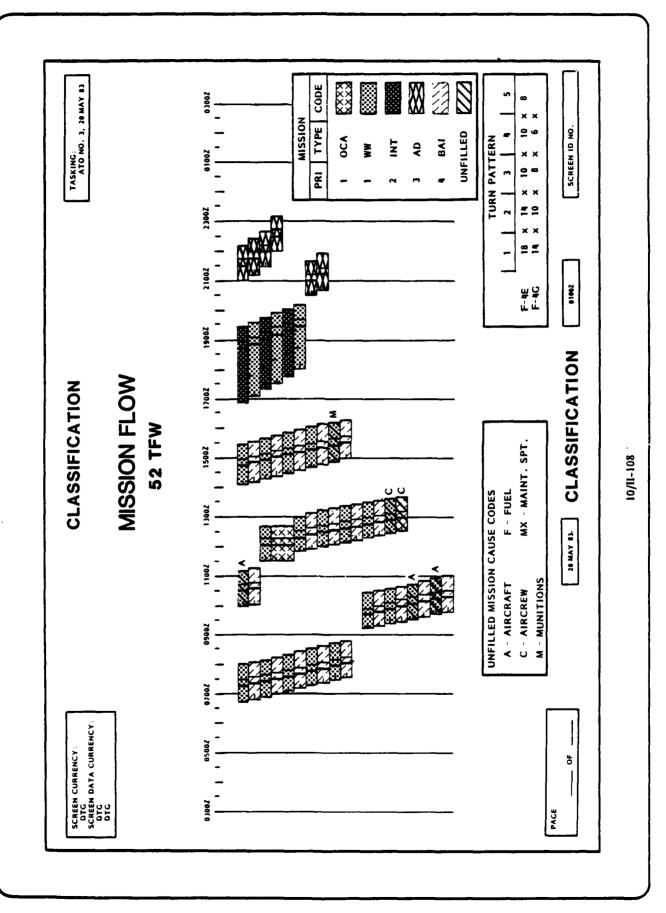
The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION

This version will be furnished during the Analysis Phase of AFIRMS implementation.









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SCREEN TITLE: MISSION FLOW (Schedule Variation)

Ġ SCREEN NUMBER: WG.TASK.

SCREEN PURPOSE

Provide a visual display of the mission flow and the capability for the user to reject, move, and/or modify missions as needed to adjust tasked mission requirements to conform with available resources.

PRIMARY: Frag Shop

SUPPOR TING:

Maintenance Plans and Scheduling Aircraft Maintenance Unit Job Control Supervisor Fuels Control Center Senior Battle Staff Mission Director

SCENARIO:

The tasking has been entered into the system and the user has Following an inspection of resource capability, the user is deciding which mission(s) to turn back and which to move in order to form a feasible flow. This process involves both the manipulation of missions on this screen and determining Task viewed the requirements in the form of a spread sheet. Capability.

CLASSIFICATION

The normal classification of this product is SECRET. However, "what-if" exercises may be UNCLASSIFIED. Therefore, the user building the task must set the classification.

ASSUMPTIONS:

If no take-off and/or landing times are input, wing standards for ETE to the turget area are used as defaults.

DATA SOURCE

The Frag Shop will enter the schedule data into the AFIRMS.

RELATED SCREENS

Tasking Information Task Capability

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Spreadsheet

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 4-7, 9-11, and 15.

RECOMMENDED CHANGES: None.

DATA ELEMENTS

The data elements will be furnished during the Analysis Phase of AFIRMS implementation.

PARAMETER SELECTION SCREEN:

The parameters and parameter choices will be furnished during the Analysis Phase of AFIRMS implementation.

BLACK-AND-WHITE TABULAR VERSION:

This version will be furnished during the Analysis Phase of AFIRMS implementation.

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SCREEN TITLE: FLYING SCHEDULE (OPERATIONS)

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SCREEN NUMBER: WG.CAP. .TI

SCREEN PURPOSE:

Display those tasked missions which have been accepted by the Wing in the standard USAFE format for a flying schedule.

ISER.

PRIMARY: Frag Shop

SUPPOR TING:

Senior Battle Staff

Assion Director Tactical Fighter Squadron Maintenance Operations Center

SCENARIO:

The Frag Shop entered the ATO tasking data into the system, determined the Wing's capability to do the task, and now is ready to build the schedule.

CLASSIFICATION:

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The Frag Shop will enter the schedule data into the AFIRMS.

RELATED SCREENS

Aircrew Generation Mission Flow (with scheduled missions) Tasking Information DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Paging and scrolling Full screen editor Data change indicator DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

Keys no. 1, 2, 4-7, and 9-16.

RECOMMENDED CHANGES:

- a. Ditto marks or a vertical line (arrow) should be displayed for information that repeats within a flight/mission (a mission has from 1 to n number of aircraft per mission).
- b. Change "Version" to "change" in the schedule heading.
- C. Delete "Version/Change" Number and Schedule Date from the subtitle.

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COCKER NEWSON DECEMBER DESIGNATION OF STREET

Element Name	DRD /	Element Name	DRD /	Element Name	DRD /
Aircraft MOS	ПС	Sortie Expected Land Time	50E	Skill Identifier - Skill Possessed	61B
Aircraft Tail Number	a I	Sortie Expected Flight Duration	50F	Unit Name - Schedule	89A
Airman Last Name	12A	Sortie Actual Take-Off Time	20C	Flying Schedule Date	898
Airman Crew Position	121	Sortie Actual Land Time	20H	Flying Schedule Day	8 6C
Primary Mission Type Assigned	150	Sortie Actual Flight Duration	<u>20</u>	Flight Section	89D
Alternate Mission Type	156	Effectiveness Primary Mission	503	Flying Schedule RD ID	89E
Sortie Seguence Number	20	Effectiveness GCC	20 K	Flying Schedule CM	89F
Sortie Assigned Call Sign	50B	Schedule Deviation Code	20 L	Flying Schedule SOF	8 6C
Sortie Turn Number	20C	OPS/Command Post Remarks	20M	Flying Schedule RSU	89H
Sortie Assigned Take-Off Time	200	Sortie Assigned Configuration Type	200	Flying Schedule SLO	168
				Flying Schedule SQS	893
				Flying Schedule Base Code	89K
ARAMETER SELECTION SCREEN:				Flying Schedule Time Reference	368
				Aircraft MDS Covered	₩68
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PARAMETER SELECTION SCREEN:

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2ND ARRAY OF PARAMETER SCREEN KEYS

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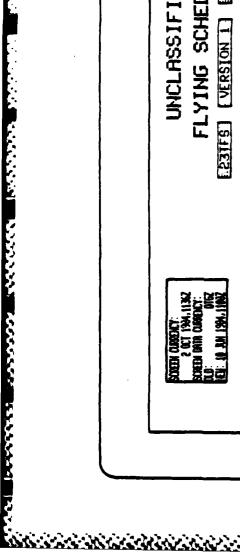


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[231FS] [VERSION 1] [02 JUL 84] FLYING SCHEDULE UNCLASSIFIED

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SCREEN TITLE: FLYING SCHEDULE (MAINTENANCE)

SCREEN NUMBER: WG.CAP.

This screen contains a variation of the information portrayed on the Operations Flying Schedule (FORM 438).

SCREEN PURPOSE

Display those tasked missions which have been accepted by the Wing in a modified format for a flying schedule that provides maintenance information.

USER:

PRIMARY: Maintenance Operations Center

SUPPOR TING:

Tactical Fighter Squadron Aircraft Maintenance Unit Senior Battle Staff **Munitions Control** Mission Director Fuels Control Frag Shop

SCENARIO:

The Frag Shop entered the ATO tasking data into the system, determined the Wing's capability to do the task, and now is ready to build the schedule. Maintenance will use this version to input the aircraft numbers.

CLASSIFICATIONS

This product is UNCLASSIFIED.

ASSUMPTIONS: None.

DATA SOURCE:

The Frag Shop will enter the schedule data into the AFIRMS. The Maintenance Operations Center will enter the aircraft numbers and remarks.

RELATED SCREENS

Mission Flow (with scheduled missions) Tasking Information

DISPLAY SCREEN FEATURES: (See Product Display Screen Features, page 3-8.)

Data change indicator Paging and scrolling Full screen editor

DISPLAY SCREEN FUNCTION KEYS: (See Product Display Function Keys Description, page 3-9.)

RECOMMENDED CHANGES

Keys no. 1, 2, 4-7, and 9-16.

- The changes recommended for the Operations Flying Schedule product also apply to this product.
- With horizontal paging and/or scolling, this product can be combined with the Operations version. ۵

DATA ELEMENTS:

Element Name	DRD /	Element Name	DRD /	Element Name	DRD /
Aircraft MDS	110	Sortie Actual Take-Off Time	20C	Flying Schedule RD ID	89E
Aircraft Tail Number	<u>a</u> .	Sortie Actual Land Time	50H	Flying Schedule CM	89F
Primary Mission Type Assigned	150	Sortie Actual Flight Duration	201	Flying Schedule SOF	890
Alternate Mission Type	15P	Schedule Deviation Code	<u>2</u> 0	Flying Schedule RSU	89H
Sortie Sequence Number	\$0 A	Maintenance Remarks	20N	Flying Schedule SLO	168
Sortie Assigned Call Sign	208	Sortie Assigned Configuration Type	\$00N	Flying Schedule SQS	89]
Sortie Turn Number	20C	Unit Name - Schedule	89A	Flying Schedule Base Code	89K
Sortie Assigned Take-Off Time	30D	Flying Schedule Date	89B	Flying Schedule Time Reference	8 6F
Sortie Expected Land Time	50E	Flying Schedule Day	89C	Aircraft MDS Covered	W68
Sortie Expected Flight Duration	50F	Flight Section	89D	Version Number of Schedule	90 A

PARAMETER SELECTION SCREEN:

	; ;	FLYING S	SCHEDUL	E (MAINTE	FLYING SCHEDULE (MAINTENANCE) PARAMETER SCREEN	METER SCRE	EN	
ENVIRONMENT:	PEACE	EXERCISE	CRISIS				PAGE 1 of 1	
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